TREATISE
ON
WIRE-FENCING, GATES,
ETC.

CHARLES D. YOUNG & Co.

CATALOGUE.

ILLUSTRATED AND DESCRIPTIVE

CATALOGUE

OF

Ornamental Cast and Wrought

IRON AND WIRE WORK

MANUFACTURED BY

CHARLES D. YOUNG & COMPANY,

MANUFACTURING IRONMONGERS,

IRON AND WIRE FENCE AND IRON GATE MANUFACTURERS, CONTRACTORS,
WIRE MERCHANTS, &c.

Offices.

48 NORTH BRIDGE..... EDINBURGH.
22 PARLIAMENT STREET, WESTMINSTER... LONDON.
32 ST ENOCH SQUARE ..... GLASGOW.
1 CASTLE BUILDINGS, DERBY SQUARE..... LIVERPOOL.

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ILLUSTRATED & DESCRIPTIVE CATALOGUE.

FENCE DEPARTMENT.

Strong Strained Iron and Wire Fences.

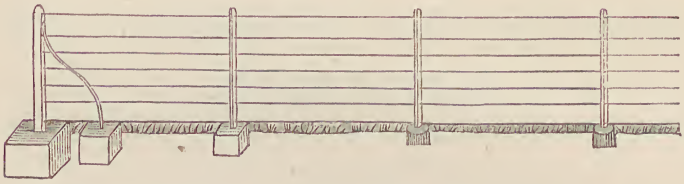
Charles D. Young & Company would respectfully direct the attention of Landed Proprietors and others to their system of Strained Invisible Wire Fencing, in its various forms, as applicable for enclosing and subdividing parks, lawns, shrubberies, flower gardens, ornamental walks, railways, &c. &c., constructed to resist deer, horses, cattle, sheep, and lambs, and to exclude hares, rabbits, poultry, &c., for all of which purposes it is now becoming universally adopted. For durability, strength, economy, and lightness of appearance it is unequalled, and where introduced is rapidly superseding all other systems. The facility with which it can be erected in any situation, and over every peculiarity of ground, combined with its peculiar adaptation to every purpose for which fencing is required, has rendered it an object of the utmost importance.

The condensed nature of this Catalogue necessarily precludes anything beyond a mere enumeration of some of the peculiarities and advantages involved in C. D. Young & Co.'s system; but special reference is made to their several separate Treatises on the subject, which give full descriptions, along with the conclusions come to from observation and experience of the principles followed in the execution of all their work, which Treatises they will be happy to forward to proprietors on application.

From the extent of their works, together with the great advantages Charles D. Young & Company possess in having establishments in *London*, *Edinburgh*, *Liverpool*, and *Glasgow*, they are enabled to erect Wire Fences in any part of the three kingdoms at the prices quoted. Their workmen are all of their own training, and each set is under a well qualified superintendent when sent to country work.

STRONG IRON AND WIRE FENCES,

For Horses, Cattle, Sheep, and Lambs



with Strong Wrought-Iron Straining-Pillars and intermediate uprights, having 5, 6, and 7 horizontal wires.

This description of fence is that generally put up through pleasure-grounds, along the sides of approaches, and in all other situations where invisibility and fine appearance are objects.

PRICES.

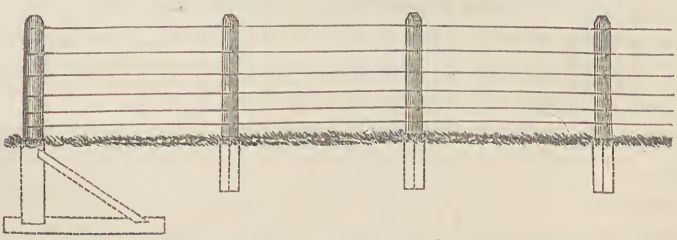
For Horses, Cattle, &c., 1s. 10d. to 2s. 3d. per lineal yard.
" Cattle, Sheep, &c., 1s. 8d. to 2s. per do.
" Sheep, Lambs, &c., 1s. 4d. to 1s. 8d. per do.

The prices varying according to the height, strength, and number of wires.

Should the line of fence be curved, a few iron stays are necessary, which are charged extra: very few, however, in ordinary circumstances, are required, and the additional expense is trifling. These prices include all the time and expenses of workmen erecting the work, when the amount of the order exceeds £25, but are exclusive of the blocks for the uprights—either wood or stone will suit as is most convenient—labour boring and putting them into the ground, and lead for batting, which are performed by the proprietor.

STRONG WIRE FENCES STAPLED TO WOOD POSTS,

For Horses, Cattle, Sheep, and Lambs.



This variety of Wire Fence is peculiarly the most suitable in every respect for common pasture and field enclosures, and is actually, in all

cases in the end, and in some even at first cost, very considerably cheaper than the common wood paling. The straining-pillars and intermediate uprights are of wood, either sawn or made from thinnings or tree-tops. The wires are stapled to the uprights, and the whole put up on the same principle as the fences with iron uprights.

PRICES.

For Horses, Cattle, &c., 10d. to 1s. per lineal yard, with 6 wires.
" Cattle, Sheep, &c., 8d. to 10d. per do. do.
" Sheep and Lambs, 7d. to 9d. per do. do.

Including the time and expenses of workmen erecting the work when the amount of the order exceeds £25, but exclusive of the wooden pillars and uprights, which are furnished and put into the ground by the proprietor.

The above Fences in wood posts are frequently put up with Iron Straining Pillars, firmly batted into stone, at distances of about 80 to 100 yards. The great advantage of this plan is, that it renders the Fence in a manner everlasting, for when any of the intermediate uprights in course of years decay, they can be easily renewed without the necessity of cutting the wires, by simply withdrawing the staples from the old uprights and attaching the wires with the same staples to the new, the Fence remaining all the while permanently at full stretch from the Iron Straining Pillars. This adds about 2d. per lineal yard to the above prices.

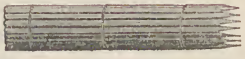
STRONG IRON AND WIRE FENCES,

For Horses, Cattle, Sheep, and Lambs.

Constructed for being put up by the work-people of Landed Proprietors, &c.

No. 1.

No. 2.



No. 3.

With the view of meeting the wishes of gentlemen who prefer putting up their own Fences in Iron and Wire, and for the execution of their increased orders from abroad, C. D. Young and Co. have devoted much attention to getting these Fences constructed, so that they might be put up by the parties themselves on the spot, without incurring the expense of sending men for that purpose. In this they have been eminently success-

ful, and the whole materials are now so prepared and fitted, that by following the printed instructions sent along with all orders, any person can, with the greatest facility, erect a considerable quantity in a day.

From the extent of their Work, and their great experience in this department, C. D. Young and Co. are enabled to make the present low quotations for these Fences, complete and ready for fitting up, of the following

SPECIFICATIONS.

Strong Iron and Wire Fence Material, 3 feet 6 inches high, having one strong Wrought-Iron Straining Pillar every 75 yards, complete with screwed eye-bolts and nuts for straining the wires, and strong wrought-iron intermediate uprights every 8 feet, with 6 horizontal wires.

PRICES.

For Horses, Cattle, &c., 1s. 3d. to 1s. 8d. per lineal yard.
" Cattle, Sheep, &c., 1s. 1d. to 1s. 6d. per do.
" Sheep, Lambs, &c., 0s. 11d. to 1s. 2d. per do.

The prices varying according to the strength.

Should the line of Fence be curved, a few iron stays are necessary, which are charged 1s. each extra, and for the angles and extremes strong wrought-iron single do. at 5s. 6d. each.

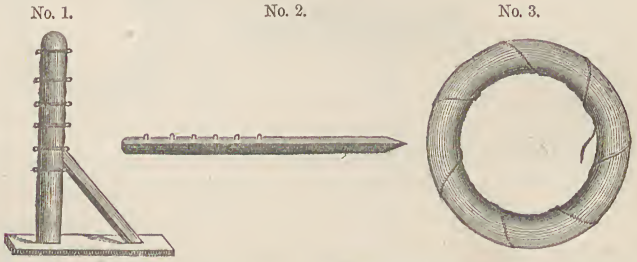
The engraving above exhibits the material of these Fences as it is packed up for despatch or shipment. No. 1 is the Straining Pillar and Stay, fitted up with the screwed eye-bolts and nuts used in straining the wires; No. 2 shews a bundle of the Intermediate Uprights; and No. 3 the Wire.

STRONG WIRE FENCES FOR WOOD POSTS,

For Horses, Cattle, Sheep, and Lambs.

Prepared for being put up by the work people of Landed Proprietors, &c.

No. 1. No. 2. No. 3.



It is now universally admitted by Agriculturists that Wire Fencing in wood is pre-eminently the most suitable and unquestionably the cheapest

for common pasture and field enclosures. It was suggested, however, to C. D. Young and Co. that it would be a very great convenience to many proprietors and farmers if they could prepare the material and furnish tools and instructions, so that they could get it put up by their own people from time to time, and in such quantities as they required. As this would lead to the system being more generally adopted, and to a great extent by a class hitherto almost excluded from its benefits, C. D. Young and Co. accordingly prepared this variety with that view; and orders are executed of the following

SPECIFICATIONS.

Strong Wire Fence Material for Wood Posts, 3 feet 6 inches high, complete with all the necessary staples for attaching the wires to the wood posts, calculated at 8 feet apart, and with 6 horizontal wires.

PRICES.

For Horses, Cattle, &c., 7d. to 9d. per lineal yard.
" Cattle, Sheep, &c., 6d. to 8d. per do.
" Sheep, Lambs, &c., 4½d. to 6d. per do.

If to include one strong Wrought-Iron Straining Pillar every 100 yards, complete with screwed eye-bolts and nuts for straining the wires, 1½d. per lineal yard extra is in that case charged.

Strong wrought-iron stays for the extreme ends and angles, 5s. 6d. each extra.

In the East and West Indies, bamboos have been found to be very suitable for the uprights. In using them, they are slightly charred and pitched, and sunk about 2 feet into the ground, having holes bored for the wires to pass through. They ought to be at least 2 inches in diameter, and placed about 6 feet apart.

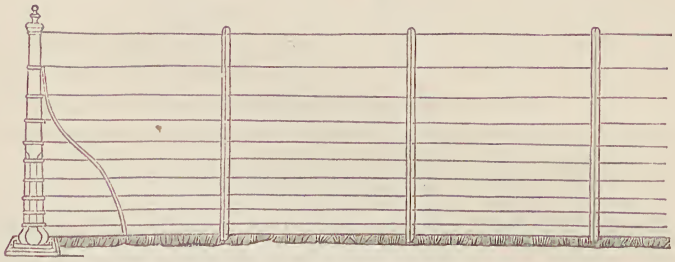
No. 1 in the wood-cut delineates, for the guidance of proprietors, &c., the Straining-Post; No. 2 the Intermediate Upright, with the Staples driven; and No. 3 the Wire as it is sent off.

Orders for the above Fences are accompanied by C. D. Young and Co.'s "*Instructions,*" illustrated with wood-cuts, by which any labourer can readily erect them; and the cost of a half set of tools for erecting the work is 25s.—a half set being quite sufficient for the purpose. If a whole set is wished, the price is £2 : 10s.

Delivered free at London, Liverpool, Glasgow, Hull, and Leith, or at any of the other principal ports in the three kingdoms, at ½d. per lineal yard extra.

STRONG IRON AND WIRE FENCES,

For Deer, &c.



The above wood-cut illustrates the successful application of C. D. Young and Co.'s system of Wire Fencing for the enclosure and subdivision of Deer-Parks. Hitherto stone walls, wood palings, heavy iron hurdles, and continuous iron railing, have been the only means at the disposal of proprietors for this purpose; but the enormous expense of stone walls, iron hurdles, and continuous iron railing, and the total insufficiency, after a few years' exposure, of wood paling, besides its unsightly appearance and expense, have been the great obstacles which have so often prevented noblemen and gentlemen from adorning their parks and domains with deer. The Strained Wire Fence, however, as put up by C. D. Young and Co., besides being very considerably cheaper, possesses the great advantage of being quite invisible at a short distance, enabling Proprietors to subdivide their parks to any extent without its being apparent, thus giving an unlimited idea of the extent of the ground appropriated for the deer, at the same-time keeping them close to the mansion, and allowing other portions of the domain in sight to be grazed with stock.

The fence is constructed with handsome cast-iron straining pillars, and strong wrought-iron intermediate uprights, all of which are batted with lead into stone blocks, except in localities where stone is expensive, when wooden blocks can be used instead. The price of a fence of this description, with from eight to ten strong horizontal wires, guaranteed as sufficient against red, roe, and fallow deer, complete, including the time and expenses of workmen erecting the work, will range from 3s. to 4s. per lineal yard, 5 feet 6 inches to 6 feet 6 inches high, according to strength and the peculiarity of the ground, but exclusive of stones or wood blocks, &c., as formerly specified, which portion of the work is performed by the proprietor. If the line of fence be curved a few stays are necessary, which are extra, but the additional expense would be trifling. Many extensive deer-parks have been entirely surrounded with this fence. At Colebrooke, the seat of Sir Arthur

B. Brooke, Baronet, M.P., upwards of 600 acres of the domain were enclosed, and form one of the most beautiful and extensive parks in that part of Ireland. Another magnificent park was formed at Caledon Hill, in the county of Armagh, for the Right Honourable the Earl of Caledon, both of which have been the objects of universal admiration. C. D. Young and Co. also refer to their work in this department put up for Samuel Brookes, Esq., banker, at his seat, Whalley House, near Manchester; for Sir James Colquhoun, Baronet, of Luss, Dumbartonshire, where several hundred acres of his domain, on the banks of Lochlomond, are enclosed for this purpose, amidst scenery of the grandest and most interesting character in Scotland; also for the Right Honourable Lord Belhaven at Wishaw, Lanarkshire; for Sir William Scott, Baronet, at Ancrum, Roxburghshire; for D. Cameron, Esq. of Lochiel, Inverness-shire; for H. K. G. Morgan, Esq., M.P., Johnstoun Castle, Wexford; for William Forbes, Esq., M.P., Callender House, Stirlingshire; for the Most Noble the Marquis of Londonderry, Wynyard Park, near Stockton-upon-Tees; for H. B. Darley, Esq., Aldby Park, Yorkshire, &c. &c.

STRONG WIRE FENCES IN WOOD,

For Deer, &c.

For situations where fine appearance and invisibility are no very great objects, this Fence is intended. It is cheaper than that in iron, and is well adapted for dividing Forests and Mountain Ranges, where deer are preserved more for sport than ornament, or for portions of a pleasure-ground distant from observation. It is constructed upon precisely the same principle as the others with iron straining-pillars and extreme stays; the intermediate uprights, however, are of wood, to which the horizontal wires are stapled; and the only advantage of this plan over the other is that of economy.

The cost will be from 1s. 6d. to 2s. per lineal yard, the proprietor to prepare and furnish the wooden intermediate uprights, the stones for the straining-pillars and stays, and to put them into the ground, all of which would be trifling.

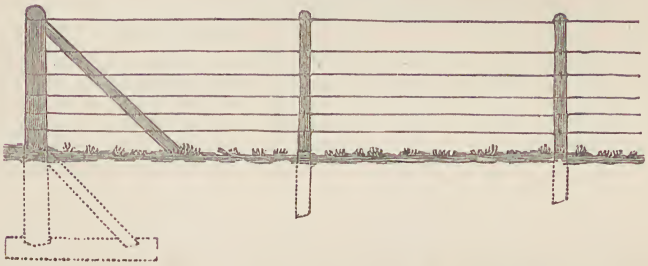
When Gates are required, they are made to correspond exactly with the Fence. For these, with their posts and stays, there is of course a separate charge; but definite estimates—which are invariably furnished before an order is accepted—give every item in detail, with full specifications, so that the exact cost of the work is known to the proprietor before it is put into execution.

Railway Fencing.

The application of C. D. Young and Co.'s system of Wire Fencing for Railway purposes is now becoming general, and will undoubtedly, in course of a few years, be adopted by almost every line in the three kingdoms. Its merits are acknowledged by the first engineers, after being subjected to every test.

STRONG WIRE FENCES FOR RAILWAYS,

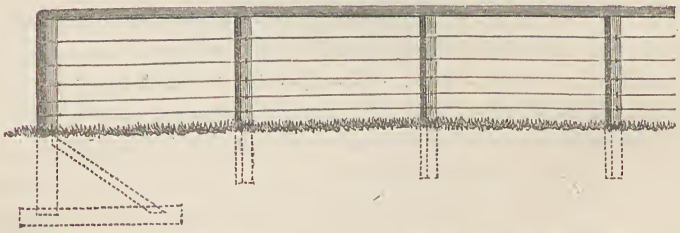
In Wood Posts.



Their work in this department in wooden posts, as shewn in the above cut, will be seen on the Caledonian, the Edinburgh and Hawick, the Kelso branch of the Edinburgh and Hawick, the Glasgow, Neilston, and Barrhead, the Chester and Holyhead Railways, and to a small extent on the Monkland at Coatbridge. They have besides in hands other large contracts on the Stirling and Dunfermline Railway, &c. &c.

STRONG WIRE FENCES FOR RAILWAYS, &c.

In Wood Posts, with Wooden Top-Rail.



In competition with C. D. Y. and Co.'s system *was* that of Wire-Rope Fencing, a late invention, tried on some lines. Its total insufficiency, however, as a fence for either horses, cattle, or sheep, *condemned* it; those companies that had adopted it were forced in consequence to have it entirely

removed, and in one well-known case at a loss of between £8000 and £10,000. These instances of annoyance and loss were instrumental in creating a prejudice against Wire Fencing; and many parties, ignorant of the difference, supposed *all* fencing in wire was equally unworthy of confidence, while the failures referred to were too often attributed to *invisibility*, instead of to the only cause, viz., unsoundness of principle and bad workmanship.

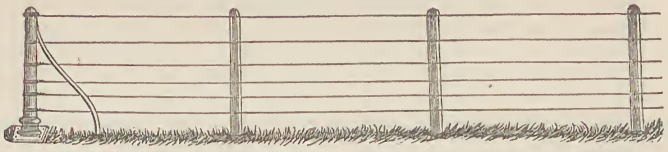
With the view of meeting these prejudices, as well also as to provide against this objection sometimes started in districts where hunting and field sports in general are prevalent, this variety of the system was invented by C. D. Y. and Co. It is constructed on the same principle as the others, but with the addition of a wooden top-rail sufficiently strong and thick, nailed or spiked to the tops of the uprights.

Reference is made to the Fences on this plan on the Edinburgh and Bathgate and Edinburgh and Glasgow Railways.

C. D. Young and Co. have already executed contracts for several hundred miles, and they have at present in hands other extensive contracts in various parts of the three kingdoms and the continent.

STRONG IRON AND WIRE FENCE FOR RAILWAYS,

When intersecting Pleasure-Grounds, &c.



For various parts of a railway, especially those portions intersecting the pleasure-grounds of landed proprietors, this Fence with iron uprights is generally adopted. For such situations it is an object of importance to have as strong and as beautiful a fence as can be constructed; and nothing can be more beautiful or more suitable than a fence of this description; at the same time it actually will cost less than a common post and rail fence, or an unsightly stone wall.

It has been put up to a great extent on the Edinburgh and Northern, and partially on the Dundee and Perth, the Glasgow, Dumfries, and Carlisle, Edinburgh and Hawick, Chester and Holyhead, &c. &c. &c., all of which have given the greatest satisfaction to the engineers and proprietors through whose grounds the lines were formed.

Specifications and definite estimates furnished, and contracts entered into for any extent of fence complete, in any part of Scotland, England, Ireland, the Continent, and America.

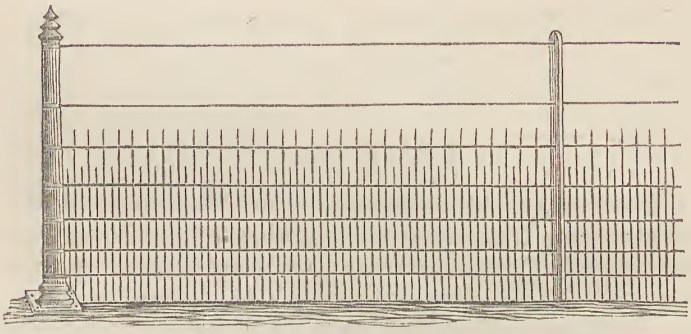
Strong Strained Hare and Rabbit Proof Wire Fences.

For enclosing Flower Gardens, Shrubberies, Nurseries, &c.

This is a most important department of C. D. Young and Co.'s system of Fencing, as it is constructed to afford perfect protection to that portion of pleasure-grounds, generally the most ornamental and valuable, from the destructive ravages of Hares and Rabbits, which is often so serious that the damage done to valuable plants and shrubs amounts in course of a year or two to considerably more than the whole expense of having the garden completely enclosed with Wire Fencing. For portions of railways that intersect nurseries and the private ornamental grounds of landed proprietors, this style of fence is also well adapted.

STRONG STRAINED HORSE, CATTLE, AND SHEEP FENCES,

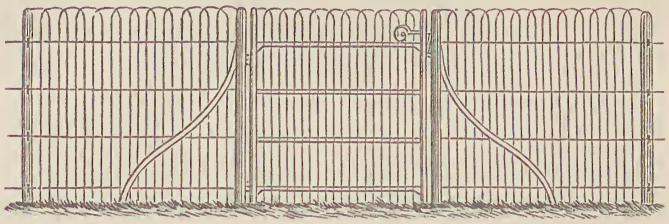
Made Hare and Rabbit Proof.



In many places, flower gardens, ornamental grounds, shrubberies, nurseries, &c., have to be fenced against stock of all kinds, and at the same time be completely hare and rabbit proof. Such a fence is shewn by the above wood-cut, at the following prices, viz., 3s. 10d., 4s. 3d., and 4s. 6d. per lineal yard, including time and expenses of workmen fitting up, but exclusive of stones or wooden blocks, as formerly specified, which is performed by the proprietor. Existing Wire Fences and Hurdles can be made hare and rabbit proof in the same manner, the cost of which will vary from 1s. 9d. to 2s. 6d. per lineal yard, according to the strength, including time and all expenses of workmen.

STRONG STRAINED HARE AND RABBIT PROOF FENCES.

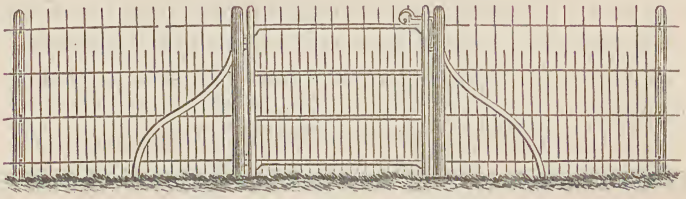
Ornamental Pattern.



This fence is only intended for hares and rabbits, and can be put up at the following prices, viz., 3s. 3d., 3s. 6d., 3s. 9d., and 4s. per lineal yard, according to the height and strength. This pattern is generally erected when intended to surround mansions in the Gothic style. It is usually made from $2\frac{1}{2}$ feet to 3 feet in height.

STRONG STRAINED HARE AND RABBIT PROOF FENCES.

Plain Pattern.



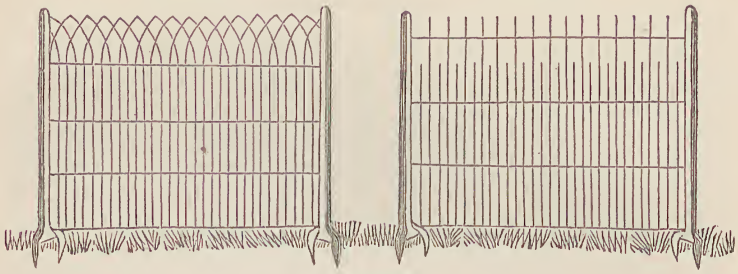
This is a plainer pattern than the one preceding, but equally efficient, and will cost less. The prices are 3s., 3s. 3d., 3s. 6d., and 3s. 9d. per lineal yard, including the time and expenses of workmen erecting, when the amount of the order exceeds £25; but exclusive of stones, &c., as in the other fences. This pattern is usually preferred when near residences of the Grecian and Italian class, or those of a plain, simple, and modern style. The height is generally $2\frac{1}{2}$ feet.

In all situations where the fence is intended to be permanent, and a large quantity required, these *strained* fences are recommended as the most suitable. They are put up in the same manner as the others.

PORTABLE HARE AND RABBIT PROOF FENCES,

Made in the form of Hurdles.

Pattern No. 1. Pattern No. 2.



PRICES.

No. 1.	Per lineal yd.	No. 2.	Per lineal yd.
4 ft. 6 in. long by 2 ft. 3 in...	3s. 3d.	4 ft. 6 in. long by 2 ft. 3 in...	3s.
4 ft. 6 " " 2 ft. 6 in...	3s. 6d.	4 ft. 6 " " 2 ft. 6 in...	3s. 3d.
4 ft. 6 " " 2 ft. 9 in...	3s. 9d.	4 ft. 6 " " 2 ft. 9 in...	3s. 6d.

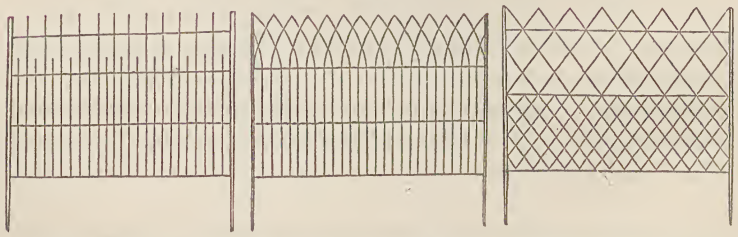
all painted and complete, and delivered free at any of the principal seaports in the three kingdoms if the amount of the order exceed £10.

These Portable Hare and Rabbit-proof Hurdles are admirably adapted for all situations where the extent to be done would not warrant the expense of sending workmen to put up the strained Wire Fences described above, or where the fence was for temporary purposes. The side uprights of each hurdle have strong double prongs for going into the ground, by which they are self-supporting,—they can be put up or removed with the greatest facility by the gardener or any labourer, and will suit any curve or inequality of the ground.

COMMON PORTABLE HARE AND RABBIT PROOF FENCE,

Made in the form of Flakes.

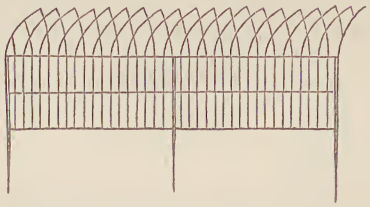
No. 1. No. 2. No. 3.



These Flakes are only for temporary purposes, and for enclosing beds and clumps. They are much cheaper than the others.

No. 1—from 2s. to 2s. 9d. No. 2—2s. 6d. to 3s. 3d. No. 3—2s. 6d. to 3s. 3d. per lineal yard, painted and complete, 21 inches to 30 inches high.

PORTABLE HARE AND RABBIT PROOF BORDERING.



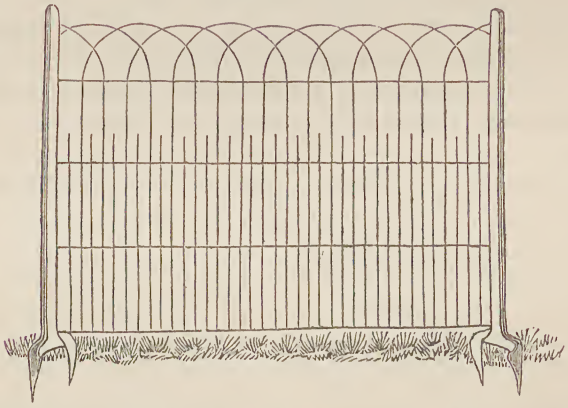
For protecting plots and figures from hares and rabbits. It is flounced over at the top, and when put up has thus the appearance of a basket.

PRICES.

Complete with Prongs, and painted—2s. 3d., and 2s. 6d. per lineal yard.

STRONG PORTABLE ORNAMENTAL HURDLES,

For Dogs, Sheep, and Lambs.



These Hurdles are made in a great variety of beautiful patterns, and besides being useful in excluding dogs, sheep, lambs, &c., they are also suitable for the purposes of training, and as screens for concealing any object, or the portion of a garden reserved for vegetables, &c.

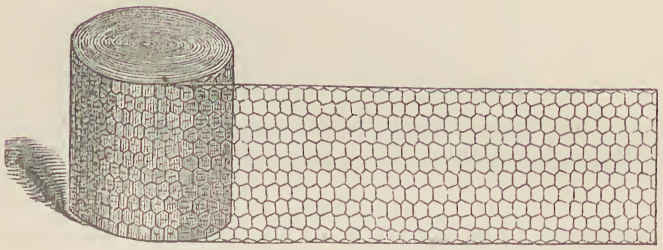
PRICES.

2 ft. 6 in. high...4s. per lineal yard. | 3 ft. high...4s. 6d. per lineal yard.

Painted and complete.

At the Show of the Royal Agricultural Society of Ireland, held at Belfast, C. D. Young and Co. had awarded them a premium of £5, and the Society's Silver Medal, "*for the superiority and cheapness of these fences.*"

Strong Premium Hare and Rabbit Proof Wire Netting.



This Netting is a most effective substitute for the more expensive fences—described in the preceding pages—for excluding hares, rabbits, poultry, &c. from flower gardens, young plantations, nurseries, &c. in circumstances where economy as well as efficiency is the object. It is an article that has attracted universal attention; and when exhibited at the Show of the Highland and Agricultural Society held lately at Inverness, it had awarded to it from the Judges the *Society's Silver Medal*, with high commendations on account of its *efficiency, great strength, and exceeding cheapness.*

The very rapid and extraordinary increase of hares and rabbits of late years has caused it to become indispensably necessary that a means of defence should be made to guard almost every description of plant or vegetable from the destructive ravages of these animals. From the great expense, however, of the Fences hitherto in use for this object, protection could only be effected to a very limited extent, in the absence of some invention at once cheap and effectual.

This induced C. D. Young and Co. to devote their attention particularly to the subject, till they succeeded in producing what eventually proved to be a most satisfactory means of supplying the desideratum. This was their strong Wire Netting, calculated either to constitute in some situations an efficient fence of itself against hares and rabbits, or to be readily connected as an addition for this purpose to existing fences for horses, cattle, and sheep, whether upon C. D. Young and Co.'s method or upon others. It is manufactured by machinery, by which several thousands of yards are turned out weekly, and it is so cheap that proprietors will find it to their advantage to use it for extensive planting; for, when plantations are sufficiently advanced to be independent of its protection, it can be removed

and put up in any other exposed situations with the greatest facility by any labourer. It is made in webs of 100 yards, and the following is a list of the

PRICES.

12 inches high..... 6d.	30 inches high..... 1s. 3d.
18 inches high..... 9d.	36 inches high..... 1s. 6d.
24 inches high..... 1s.	48 inches high..... 2s.

Per lineal Yard.

Or, a web of 100 yards, 12 inches wide, will cost			£2	10	0
Do.	of 100 yards, 18 inches wide,	"	3	15	0
Do.	of 100 yards, 24 inches wide,	"	5	0	0
Do.	of 100 yards, 30 inches wide,	"	6	5	0
Do.	of 100 yards, 36 inches wide,	"	7	10	0
Do.	of 100 yards, 48 inches wide,	"	10	0	0

If more or less than a web is required, it will be charged at the same rate per yd.

C. D. Young and Co. cannot give a better idea of the great strength of their Premium Wire Netting than by stating that the weight of one yard of their 24-inch at 1s. is equal to $2\frac{1}{4}$ yards of another article in the market, the same width, at 9d. per yard.

GALVANIZED WIRE NETTING,

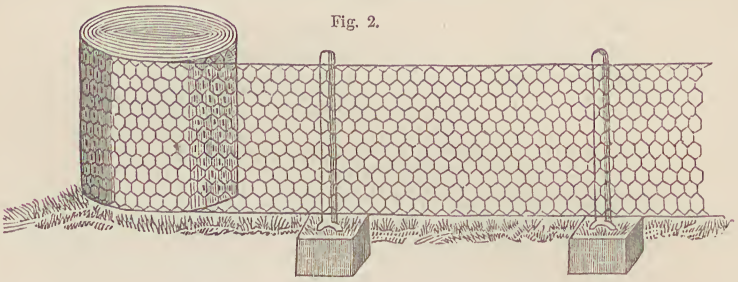
Made to order.

The above Netting can be made and supplied of *galvanized* wire to parties desiring it so, and at exactly the same prices as quoted for those already described. The Galvanized Wire Netting is, however, not nearly so strong as the other, consequently requires many more *uprights* to support it, is more easily injured, and for various other reasons, is inferior to the Premium Strong Wire Netting. In order to make Galvanized Netting at the *same price* as the Common, the wire must necessarily be smaller and lighter; while to produce it of *equal strength*, the cost must be increased to the extent of 1d. per square foot additional. The sole advantage of the former is, that it is enabled, by the process undergone, to withstand the effects of the atmosphere without undergoing the expense and trouble of painting; but it thus requires to forego an inherent quality which more than counterbalances this acquired one—in the superior strength of the *latter*, unless the extra rate specified is incurred. To those parties who particularly wish this combination of properties belonging to both, C. D. Young and Co. furnish strong Galvanized Wire Netting, equal in weight and strength to their strongest premium description, at 3d. per square foot.

STRONG HARE AND RABBIT PROOF WIRE NETTING,

Supported with Iron Uprights.

Fig. 2.

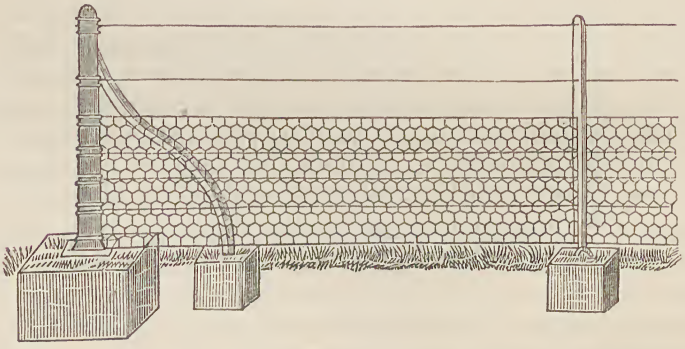


When Iron Uprights are used to support the Netting, as shewn in this figure, they are batted with lead into small stones, or driven into cuts of wood if stone cannot be conveniently got. To these the Netting is attached with small wire sent for that purpose. The cost of these Uprights is 6d. to 9d. each extra, according to the height.

STRONG HARE AND RABBIT PROOF WIRE NETTING,

Attached to a strained Cattle and Sheep Wire Fence.

Fig. 3.



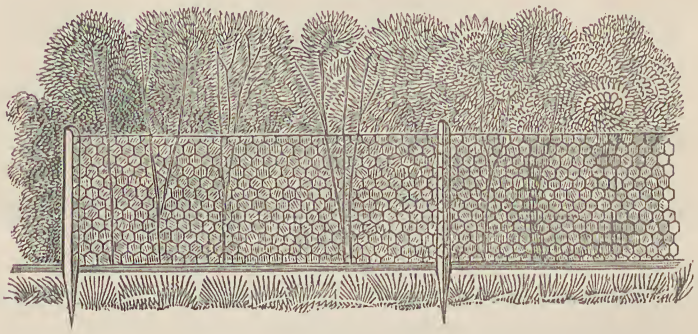
For making existing Wire Fences and Hurdles Hare and Rabbit proof, nothing is better adapted than the Wire Netting. It can be attached by any labourer, and removed without trouble at any future time if required.

Although the cheapest of any Hare and Rabbit Fence, it is, notwithstanding, at the same time ornamental, and has upon the whole a good effect. The flower-garden at Howick Hall, for the Right Hon. Earl Grey, was enclosed in this manner by C. D. Y. and Co.

STRONG HARE AND RABBIT PROOF WIRE NETTING,

Attached to the bottom of Hedges.

Fig. 4.

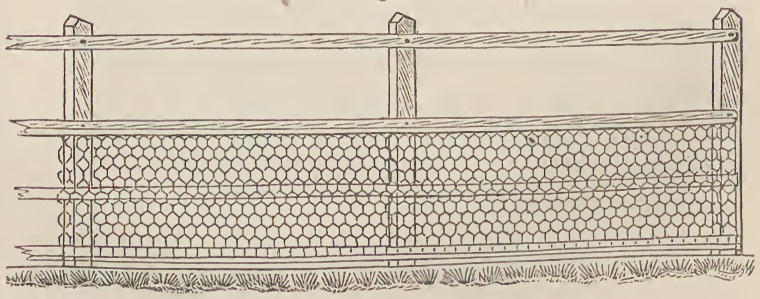


In such circumstances the Wire Netting is fastened in some places to the hedge itself, and in others to small wooden posts driven into the ground close to the hedge, as shewn. When a hedge here and there is close enough to be independent of the Netting, the latter can be cut up into small pieces and attached to the parts through which a passage is effected, without incurring the expense of fencing the whole hedge.

STRONG HARE AND RABBIT PROOF WIRE NETTING,

Attached to common Wood Paling.

Fig. 5.

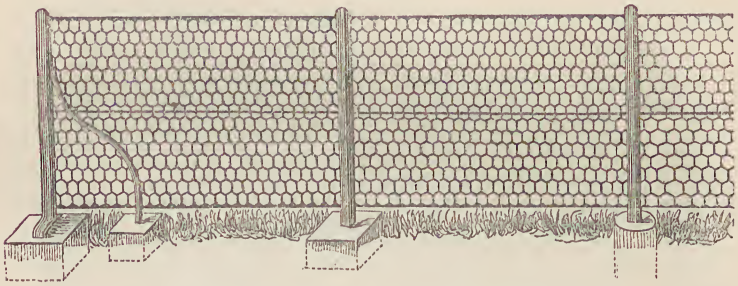


Small wire staples are used in fixing the Netting to wood paling; and when specified in ordering that the Netting is intended for such, the necessary staples are sent along with it.

STRONG HARE AND RABBIT PROOF WIRE NETTING,

Attached to a Strained 3-Wire Fence.

Fig. A.



This wood-cut represents the same Netting, but attached to a strong Strained 3-Wire Fence, run through wrought-iron intermediate uprights. While it is frequently put up in this manner for a Hare and Rabbit Fence alone, yet for this purpose it is unnecessarily strong, unless in a situation where there is a chance or probability of sheep being also.

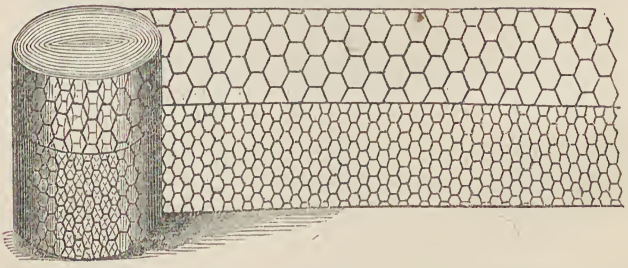
It has been put up at Seacliff, Berwick, for George Sligo, Esq.; at Eglinton Castle, for the Right Hon. the Earl of Eglinton; at Fruithill, Londonderry, for M. M'Causland, Esq., &c. &c.

The price of this will vary according to the height and strength.

STRONG HARE AND RABBIT PROOF WIRE NETTING,

Also for Sheep and Dogs.

Fig. B.

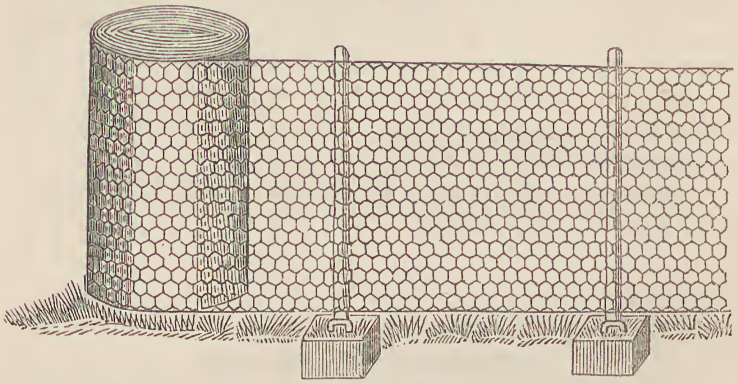


Another variety, most useful for flower-gardens, pleasure-grounds, &c., as it answers the double purpose of excluding Hares and Rabbits and of turning Sheep, Dogs, &c. The lower part is of the same mesh as the above figures, while the upper is considerably wider. It is 3 feet and $3\frac{1}{2}$ feet high, and the prices 1s. 4d. and 1s. 6d. respectively per lineal yard.

STRONG PREMIUM WIRE NETTING,

For Poultry Yards, Pheasantries, &c.

Fig. 6.

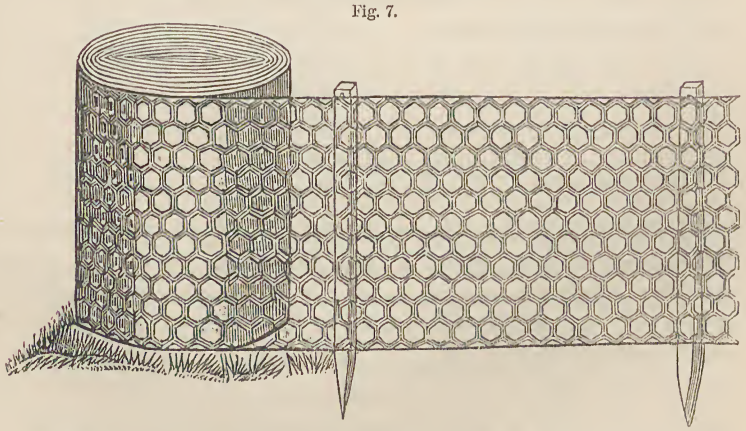


This Netting is exactly the same as that made for Hares and Rabbits, but for enclosing Poultry Yards it is generally required higher, while for Pheasantries, Aviaries, &c., it is made in pieces exactly to fit the dimensions specified. The price, however, is in exact proportion, viz., 2d. per square foot.

STRONG PREMIUM WIRE NETTING,

For Sheep, Dogs, &c.

Fig. 7.



This figure delineates another important variety of this invention, applicable to various purposes, especially as a temporary or portable fence for

enclosing sheep, and as such is now becoming almost universally adopted by proprietors and extensive sheep farmers. It is wider in its mesh than Rabbit and Poultry Netting, and made of much stronger wire. Its advantages are, convenience as a portable fence, great strength, durability, fine appearance, and economy. It has given the greatest satisfaction to all who have made trial of it, and is superseding in almost every instance common cord-net and wooden hurdles,—the former seldom being of any use after one season's exposure, and the latter continually going out of repair, besides being very unsightly. The usual height for sheep is 3 feet, and the price 1s. 3d. per lineal yard.

Any shepherd can manage to fit it up and remove it from place to place with the greatest facility.

STRONG WIRE NETTING,

For Kennel Enclosures.

For enclosing the exercising grounds attached to Dog Kennels nothing can be more suitable and convenient than this Netting—while, from its exceeding cheapness, a great extent of ground can be taken in at little expense. The advantage and convenience of such grounds are obvious. They have been strongly recommended by the most eminent authorities, and are much valued in the various hunting and sporting establishments where they have been erected. The price is the same as for the Sheep Netting, viz., 1s. 3d. per lineal yard, and if wished higher than 3 feet the price is proportionably more.

STRONG WIRE NETTING,

For Horticultural Purposes.

This Netting is invaluable to the Horticulturist, as a means of protecting wall-fruit from the effects of damp or mildew. It affords, at the same time, a facility for training which does not exist in the old system of nailing up. For screens or blinds it is also frequently employed, over which creepers, climbing roses, &c., are trained, for the purpose of concealing dead walls and other unsightly objects, for training sweet and common peas, and for a great many other important uses, both in flower and kitchen gardens. When made the same as that for kennel enclosures, the price is 1s. 3d. per lineal yard, 3 feet high; but for the horticultural pur-

poses referred to it is generally made of galvanized wire, the price of which is 2s. 3d. per yard.

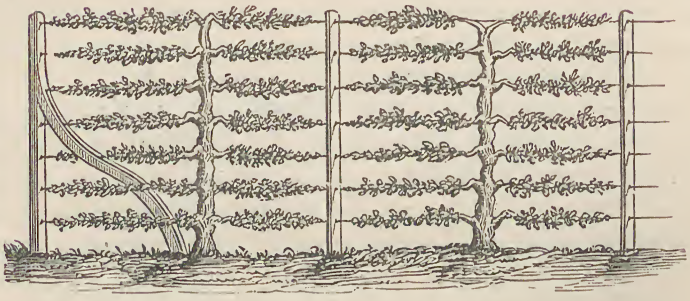
Note.—As carriage has in many instances been an obstacle to proprietors at a distance requiring Wire Netting, C. D. Young and Co. have made arrangements whereby they will undertake to deliver any of the above Netting *free* at all the principal ports in Scotland, England, and Ireland, if the quantity ordered exceeds the value of £5 sterling, and for any less quantity at *a halfpenny per lineal yard extra.*

For exporting to the East and West Indies, or America, the whole of the above descriptions of Wire Net are most valuable, from the variety of purposes to which they can be applied, and the trifling cost for freight and carriage.

Espaliers.

IRON AND WIRE ESPALIER,

For Training and Supporting Fruit Trees, &c.



Nothing is better adapted for the purpose of training and supporting Standard Fruit Trees than Espalier constructed of iron and wire, as represented in this woodcut. It is put up on the same principle as the Strong Strained Iron and Wire Fences, already described. Wood, which had hitherto been employed for this purpose, is expensive,—lasts only for a very limited period, and when decayed it is almost impossible to remove it and have it replaced by another without injuring the trees. So much is this the case, that it is seldom attempted till it literally falls to pieces,

bringing often the tree with it. Wood is, besides, most objectionable from the shadow produced by its density, rendering it most injurious to the adjoining plants and borders, while it retains wet, communicates mildew, and generates as well as harbours destructive insects in the crevices which appear in course of its decay.

The IRON and WIRE ESPALIER has none of these disadvantages. It is highly ornamental and regular, is of strength sufficient to support any tree or number of trees, and will last, with a little attention, for almost any length of time. When required, the trees can be removed without injuring it, and of itself it causes no shadow whatever, while the cost is so moderate that it requires but a trial to be almost universally adopted. Several hundred yards have been lately put up for his Grace the Duke of Roxburgh at Broxmouth Park; at Whalley, the residence of Samuel Brookes, Esq., banker, Manchester; at Brickhill, for John Potter, Esq., near Manchester; at Allerton, for Hardman Earle, Esq., &c. &c., where it has been the object of admiration to all who have seen it.

PRICES.

4 feet	high,	with 6	wires in	40 yard stretches,	1s. 9d.
4 feet 6	〃	with 7	do. in	do.	2s.
5 feet	〃	with 8	do. in	do.	2s. 3d.
5 feet 6	〃	with 9	do. in	do.	2s. 6d.

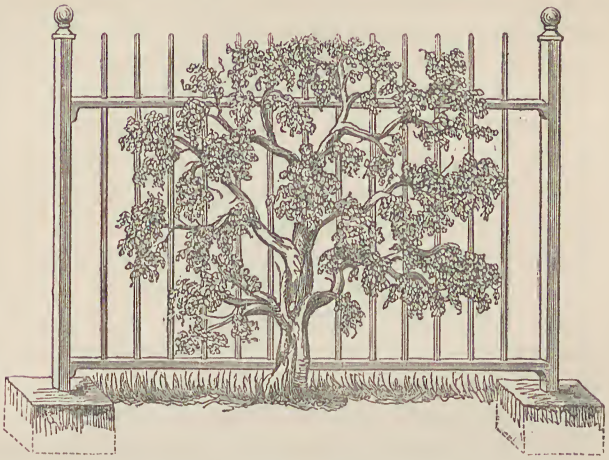
per lineal yard, complete, with two strong wrought-iron straining-pillars, with apparatus for straining the wires, two strong wrought-iron stays, and strong wrought-iron intermediate uprights every 9 or 10 feet. The whole is prepared and carefully fitted, ready for fixing, which any one can readily do by following the printed instructions sent with all orders.

If put up by C. D. Young and Co.'s workmen, the price is 1s. per lineal yard extra, including all their expenses, but exclusive of stones, labour boring and setting, and lead for batting, which is performed by the proprietor. When the length of each line or stretch is under forty yards, the prices are slightly increased, varying according to the length of the stretch. If the wires are galvanized the price will be 6d. per lineal yard of Espalier extra, and should massive and ornamental cast-iron straining-pillars be preferred to the ordinary strong wrought-iron, the price will be 2d. per lineal yard extra.

Note.—In ordering this Espalier it is necessary to send a rough sketch or ground-plan of the place for which it is intended, noting the exact length of each line, and shewing any breaks that may exist.

STRONG WROUGHT-IRON BALUSTER ESPALIER,

For Training and Supporting Fruit Trees, &c.

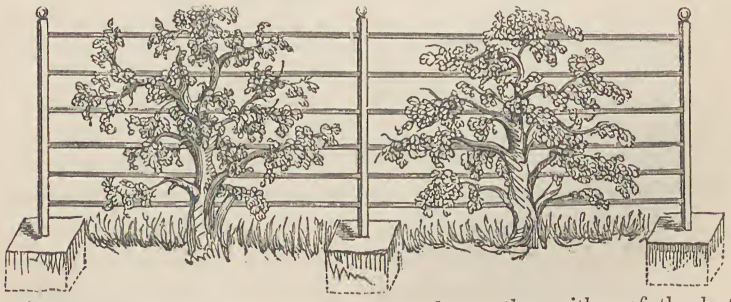


This is a more expensive Espalier than that of Iron and Wire, and for stretches of ordinary length possesses no other advantages; consequently the latter is recommended in preference. For stretches of a few yards only, however, it is better.

The price is from 7s. to 10s. per lineal yard.

STRONG WROUGHT-IRON HURDLE ESPALIER,

For Training and Supporting Fruit Trees.



For short spaces the *Hurdle Espalier* is better than either of the last two described. It is more convenient, portable, and is moderate in price, varying from 4s. 6d. to 6s. per lineal yard complete.

WALL ESPALIER,

For Training and Supporting Fruit Trees, &c.

This is a manufacture by C. D. Young and Co. of incalculable value to the horticulturist, as a means of protecting Wall Fruit from the effects of damp or mildew. Walls, either from age or local circumstances, are frequently affected with this, and often become the receptacles of destructive vermin. When this is the case, by the expedient of having the trees detached, they are rendered much less liable to be injured from such causes, while they are kept comparatively clean, and seldom require those washings which are otherwise so frequently necessary, from the circumstance of the plaster never being broken by nails,—this system of nailing, by the way, not only tending to destroy the walls themselves, but, from the holes made, and the accompaniment of leather or woollen shreds, especially the latter, forming the best possible nurseries for injurious insects. This plan affords at the same time a facility for training which does not exist on the old system of management objected to.

This Espalier is formed of horizontal rods of Galvanized or of Copper Wire run through upright bearers batted into the wall at three or four different points of the height in the spaces intervening between the trees. The wires are then strained at both ends by means of screws. The whole should be set close to, but not so near as to touch the wall,—thus securing for the trees all the benefit of the heat radiating from it, and at the same time avoiding all the disadvantages of actual contact already adverted to; so as to constitute an application in keeping with the spirit of improvement, and one likely much to conduce to the greater health and productiveness of the trees. Prices vary from 5s. to 10s. per lineal yard, including all the expenses fitting up; but definite estimates will be furnished at request, with full specifications.

CURVILINEAR ESPALIER.

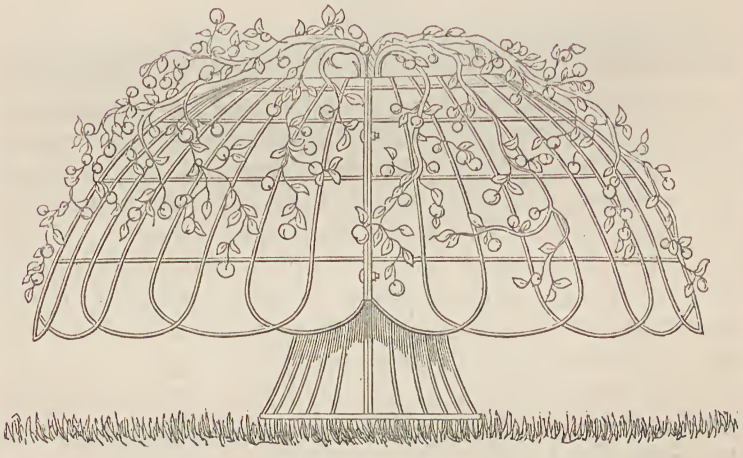
Espaliers upon this principle are a late improvement introduced for the more successful management of fruit trees, and are constructed upon two plans,—one having the trees planted singly inside, rising midway between the bases to the apex of the arch through which the stem passes, leaving the branches and shoots to be trained along and downwards on both outsides of the structure; and the other consisting of an elegant arcade, allowing an open passage throughout its whole length, and forming a beautiful arch and shaded walk from one part of the garden to another,

while, at the same time, it is a prolific mode of developing the fruitfulness of the trees led over it. On this plan the trees are planted outside the arch, and trained upwards and over, affording great facilities to the gardener for the purpose of pruning and attendance; while, at the same time, fruit, when in season, can be gathered by company at pleasure in the course of their walks. For further description, with full specifications, plans, &c., reference is made to C. D. Young and Co.'s separate Treatise on the subject of Fencing, &c., and definite estimates will be furnished to proprietors proposing to adopt this method. C. D. Y. and Co. have fitted up many gardens with Curvilinear Espaliers both at home and abroad.

SINGLE TREE ESPALIER,

For training Fruit Trees.

No. 1.

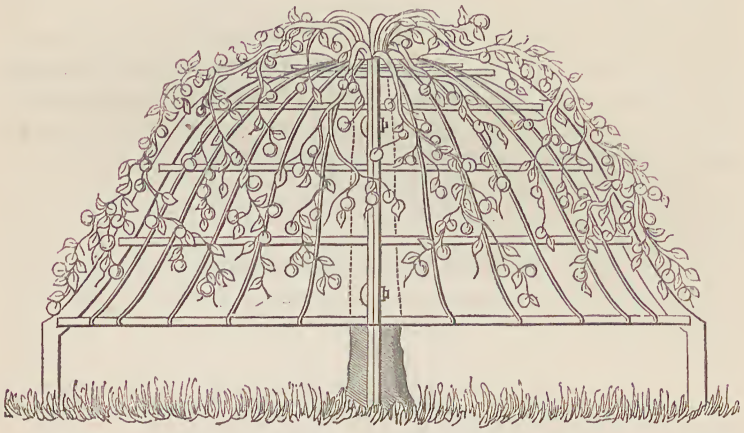


For individual trees, Espaliers or Trainers are made in the form of cones or umbrellas, the engraving above representing the latter. The stem of the tree rises up singly in the centre, and the branches spread all round outside from the apex to the circumference, or to the base of the figure. The whole iron work is made sufficiently strong to resist the effects of the wind, and they are so constructed that they can be easily put together and fitted up by any one without inconvenience or trouble, being made in two halves to encircle the stem of the tree, and then permanently fixed in their place by means of bolts. The price of this pattern is from 50s. to 70s. each, according to the size. If 12 or more are ordered at once they will be delivered free at any of the principal seaports.

SINGLE TREE ESPALIER,

For training Fruit Trees.

No. 2.



This is another pattern of the same article. From the manner in which it is made, in having the ribs or radiating main-bearers brought down to the ground, there to be fixed either to wood or in stone blocks, greater strength and steadiness is obtained, and at a less cost for material and workmanship. The prices in this case vary from 30s. to 50s. each.

This method of management, from its great advantages, must eventually, in course of a few years, be adopted in almost every garden of any consequence in the country, particularly in those where there are few fruit trees, or where a few out of a number are required to be thrown into such shapes for occasional effect, or for specimens of the finer and rarer varieties. Another recommendation exists in the columns of these Trainers being easily made Hare and Rabbit Proof when required.

LIGHT IRON ESPALIER,

For Rasps, &c.

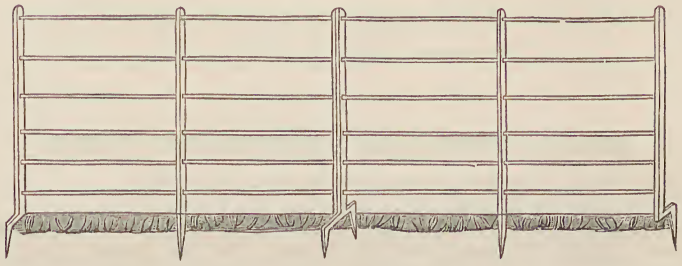
The application of Espalier to Rasps and other similar small fruit trees and bushes, has been found to be most advantageous in developing their fruitfulness, besides being highly beneficial to their general health. These facts have led to the extension of this method, and C. D. Y. and Co. can refer to the experience of some of the most eminent authorities in horticulture for corroboration. Prices, 1s. to 2s. per lineal yard.

Strong Wrought-Iron Fences,

For the permanent and temporary Division of Grounds and Pasture Lands against Deer, Horses, Cattle, Sheep, &c.

STRONG PREMIUM WROUGHT-IRON HURDLES,

For Horses, Cattle, Sheep, &c.



For temporary purposes, such as dividing off pasture or turnips, Hurdles are decidedly the best means that can be taken to effect the object. Those manufactured by C. D. Young and Co. are constructed upon a most improved principle, and have carried several premiums and medals from various Agricultural Societies on account of the superiority of their construction and their cheapness. They are made with strong knees and prongs, securing them into the ground, and they possess the great advantage of being self-supporting, requiring neither stones, wood-blocks, nor stays, and can be put up or removed with the greatest facility by any labourer. They are also frequently used to form a permanent fence, and are better suited for such, when in short lengths, than Strained Wire Fencing; but they should never be used in circumstances where wire fencing can be substituted.

PRICES.

For Horses, Cattle, Sheep, and Lambs...3s. to 4s. per lineal yard.
" Cattle, Sheep, and Lambs .....3s. to 3s. 6d. "
" Sheep and Lambs only.....2s. 3d. to 2s. 9d. "
" Deer .....4s. 6d. to 6s. "

The prices are regulated by the height, strength, and number of bars, and include all the necessary bolts and nuts for attaching them together.

These Hurdles are almost invariably constructed with horizontal bars of round iron. Some, however, prefer them made of square iron placed diagonally, but this plan is not nearly so strong as the other.

STRONG PREMIUM WROUGHT-IRON HURDLES,

For Deer.

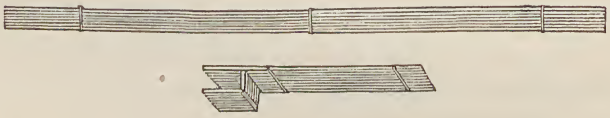
For the temporary division or enclosure of Deer Parks, Hurdles are occasionally applied as the best means at the command of the proprietors. They are easily erected, and are conveniently moveable from place to place when required. They are made on the same principle as those referred to above, and proportionably stronger in construction for the additional height. They are only, however, recommended for temporary use; permanent enclosures should invariably be the Strong Strained Iron and Wire Fence.

Prices from 4s. 6d. to 6s. per lineal yard.

STRONG CONTINUOUS WROUGHT-IRON FENCE,

For Deer, Horses, Cattle, Sheep, and Lambs.

The Continuous Iron Fence is made of round, square, and flat iron, and is very suitable for many purposes abroad, from the simple manner in which it can be put up. The prices vary, for horses, cattle, sheep, and lambs, from 2s. 6d. to 3s. 6d. per lineal yard, and for deer, from 4s. 6d. to 5s. 6d. per lineal yard, according to height, strength, and number of bars. It, together with the Hurdles, is so accurately fitted that any person can fit up a considerable extent in a day; and when intended for exportation, they are packed up in bundles thus :—



occupying on board no greater space than common iron bars, and charged for freight the same.

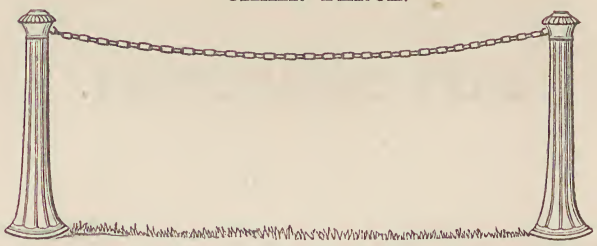
They carried Premiums and Silver Medals at Glasgow and Belfast, and received high commendations, besides, from the Highland and Agricultural Society of Scotland at the Edinburgh, Dundee, Dumfries, and Inverness Shows.

C. D. Young and Co. send with all orders from abroad a copy of their printed Instructions for fitting up.

WROUGHT-IRON ORCHARD FENCE.

Made with pointed upright balusters and horizontal copes.

CHAIN FENCE.



This Fence is made principally for keeping carriages and carts off lawns and verges near a mansion, at lodges, &c. The Chain is supported at intervals with handsome cast-iron pillars of various patterns, and is also in some instances attached to stone pillars.

For enclosing ground in Churchyards and Cemeteries this Fence is also adapted and extensively used. The Chain for such enclosures is more ornamental, and the pillars are appropriate in design.

Prices various.

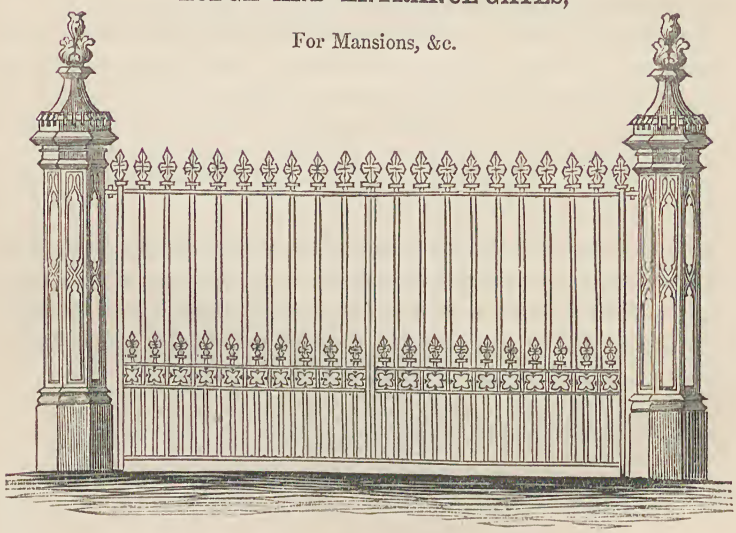
C. D. Young and Co. have confined themselves in this department of their Catalogue to quotations in general terms, but they will be most happy to furnish definite estimates of the cost, with full specifications, to any party in want of such work, on receiving a description of the fences, the nature of the lines, and the probable extent required.

GATE DEPARTMENT.

Lodge and Entrance-Gates and Railing.

LODGE AND ENTRANCE-GATES,

For Mansions, &c.



It is a matter of frequent observation, that in the structure of Approach Gates there is seldom that degree of taste and design displayed, which the style of the mansion to which they lead would induce us to expect. Indeed, it appears in many instances a matter of secondary importance what the description of gate is, provided it answers the purpose of exclusion.

We therefore see buildings of the most chaste conception, and the richest in execution, approached to through an entrance with gates, the character of which it would be difficult to describe, further than that they are formed of a number of upright, diagonal, and horizontal bars, arranged without the least regard to taste and appropriateness of design. It is

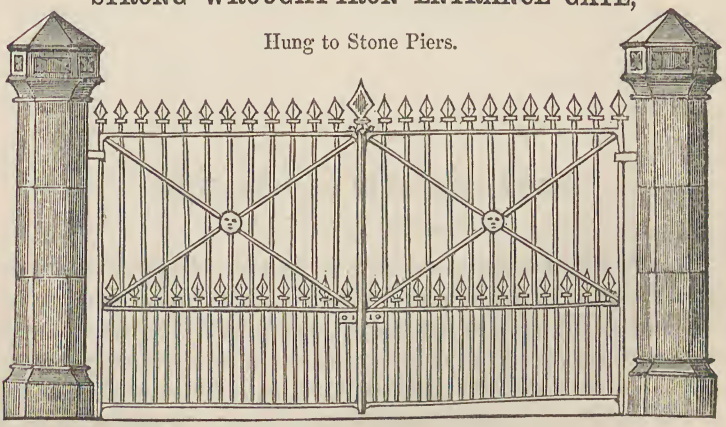
unnecessary here to enter into the cause of such frequent violations of taste, though it may in some measure be accounted for from the circumstance that Gates are generally the last things completed about a residence, the plans of which may not have been made at the same time as those of the building, and are consequently often entrusted to some one to design and execute who may be perfectly competent for the mechanical part of the work, but at the same time totally unfit for the other and more important. It is therefore of the greatest consequence that the gate chosen should strictly harmonize and be in perfect keeping with every thing else around; and as this can be accomplished as easily and at no greater cost than when it is unsuitable and of erroneous proportions, the importance of a proper selection of design must be sufficiently obvious.

C. D. Young and Co. have therefore made this department of their work an object of their especial care, being one of the most important. The preparation of patterns and the producing of casts are entrusted to the most experienced pattern-makers and modellers, constantly under their own eye; while beauty and harmony of design, combined with just proportion, strength, and finish, are expressly attended to by themselves.

Proprietors and others may have sent them, for inspection, engraved patterns in infinite variety, from the plainest to the most elaborate styles, at prices from £10 to £200 each Gate, with Railings to correspond.

STRONG WROUGHT-IRON ENTRANCE GATE,

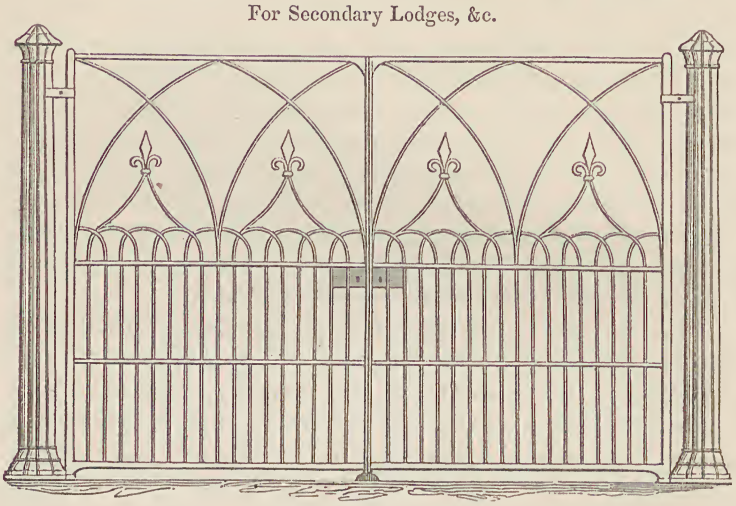
Hung to Stone Piers.



This pattern is most suitable for an entrance to a plain mansion. It is very strong, being wholly of wrought-iron, and at the sametime light and moderate in price, ranging from £13 to £15.

WROUGHT-IRON ENTRANCE GATE WITH PIERS,

For Secondary Lodges, &c.



There are few gentlemen's domains that have not Secondary Lodges and Entrances besides the main or principal approach; and the want of suitable Gates appropriate to the situation, and at a moderate price, has been long a desideratum. The pattern represented in the accompanying wood engraving is one designed expressly for the above circumstances. It is strong, elegant, and cheap, and being hung to massive and handsome Cast-Iron Piers, it is independent of all mason-work except for the foundations. The price of such a Gate, 11 feet wide by 5 feet high, complete, will be £15 : 15s., and if required larger or smaller, the price will be in proportion.

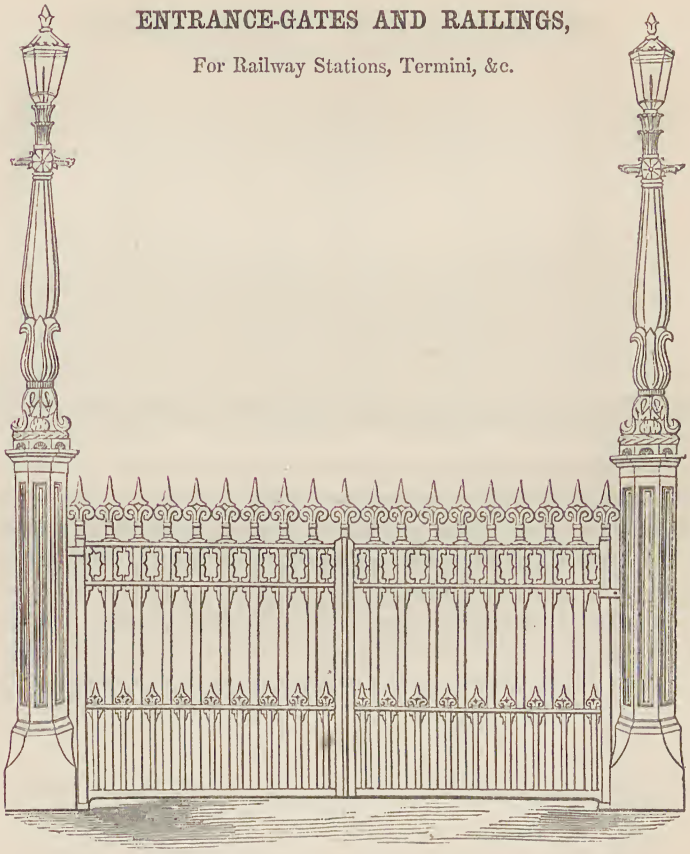
ENTRANCE GATES AND RAILING,

For Churches, Cemeteries, &c.

For such edifices there is afforded great scope for the production of an infinite variety of the most beautiful designs. Indeed there is almost no limit to restrain the architect or the practical designer from embodying in the material *Iron*, ideas of the richest beauty—especially in the prevailing style, *the Gothic*—which, were it possible, requires more deep thought and study to realize correctly the true principles of the school; but with chaste combinations and just proportion, none is so beautiful or better calculated to gratify the taste and revive associations of the most deeply interesting character.

ENTRANCE-GATES AND RAILINGS,

For Railway Stations, Termini, &c.



Contracts entered into by C. D. Young and Co. for all the Gates and Railings required for the Stations and Termini of Railways to any extent.

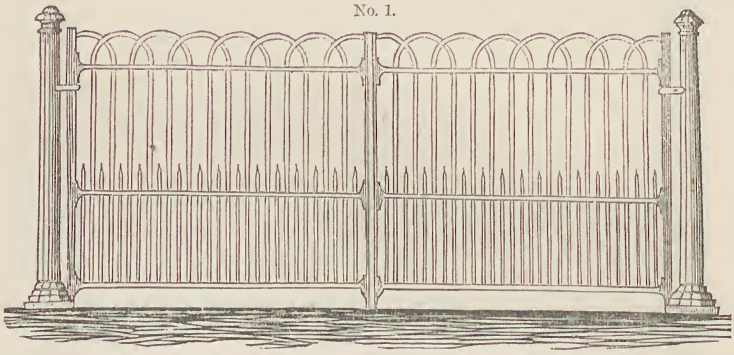
From the great experience they have had in carrying on heavy contracts, and from the facilities afforded them by their extensive works and branches, they can ensure engineers and railway directors punctuality in completion, and perfect work. They refer to the Gates, Railings, and Lamp-posts put up by them at the terminus of the Edinburgh and Glasgow Railway Company, a slight idea of which will be had from the above wood-cut. For Stations in the Gothic order a number of their designs are most appropriate.

The superiority of their work in this department, and the harmony of their designs, have, in several instances of competition, secured for them the preference.

FINE WROUGHT-IRON CARRIAGE GATES,

Of various light and elegant forms.

No. 1.

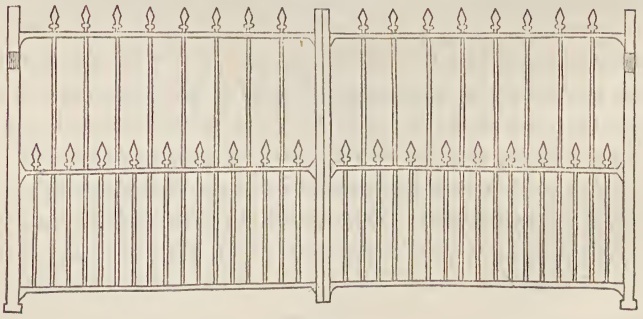


In many parts of gentlemen's grounds and policies there are places where Ornamental Iron Gates are required, and would be adopted but for the difficulty hitherto experienced of getting such at a moderate expense, combined with chasteness of design; and this has been the cause why wood has been employed so universally, to the exclusion of iron.

The cost of a Gate such as represented in the above pattern, 10 feet wide by 4½ feet high, complete, with two handsome cast-iron piers as shewn, is £7 : 10s.; and if wished larger or smaller, the price will be in proportion.

FINE WROUGHT-IRON BALUSTER CARRIAGE GATE.

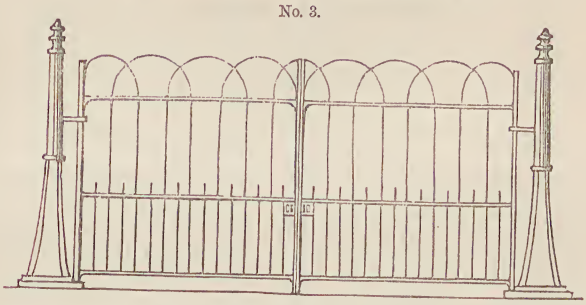
No. 2.



The cost of this Gate, 10 feet wide by 4½ feet high, will be from £5 : 15s. to £6 : 15s., according to the strength; and if with handsome cast-iron pillars, same as those attached to Carriage Gate No. 1, the price will be £2 : 2s. extra.

SMALL FINE CARRIAGE GATE.

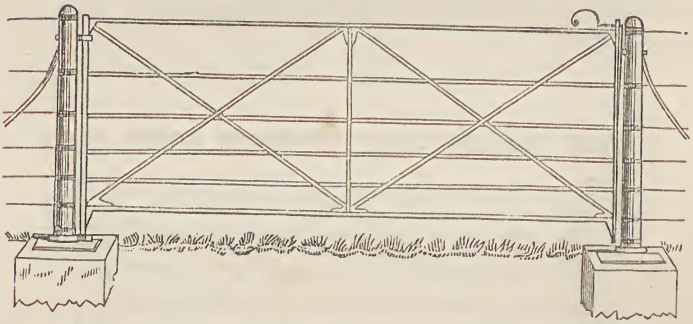
No. 3.



Very suitable for putting across Pony Drives or broad Grass Walks. The cost, 8 feet wide by $3\frac{1}{2}$ feet high, complete, with light cast-iron posts, will be £5 : 10s.

FINE WROUGHT-IRON CARRIAGE GATES,

To correspond with the various Strained Wire Fences.

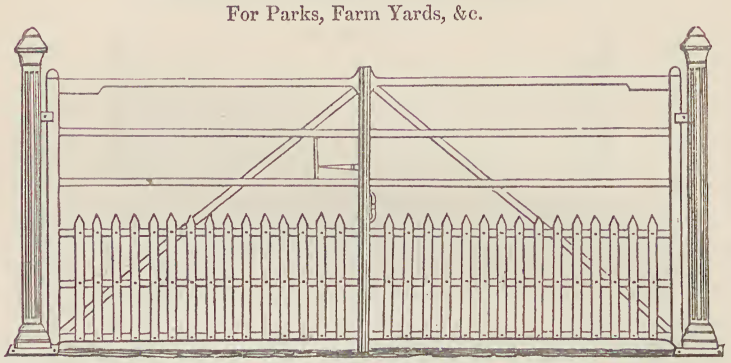


When a line of Strained Wire Fence crosses or runs alongside an Approach or Carriage-Drive, it is necessary to have any gates that may be required, as nearly to correspond with the fence as possible, consistent with strength. The pattern shewn above is the gate recommended for this purpose. The workmanship is in the best style, and in all places where they have been put up they have been much admired.

The prices—single leaf, 10 feet wide by $3\frac{1}{2}$ feet and 4 feet high—vary from £4 : 15s. to £5 : 15s., including all the necessary posts, which at the sametime act as straining-pillars to the fence; and DOUBLE-LEAF GATES, same size, complete, with drop-bolt and latch, £5 : 15s. to £6 : 15s.

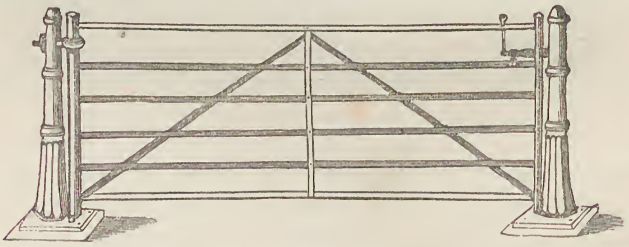
STRONG WROUGHT-IRON GATES,

For Parks, Farm Yards, &c.



This is a pattern of Gate highly approved of and much used for Park Entrances, Farm Yards, and other similar situations. It is well adapted for preventing dogs and other animals from getting through, and for keeping in poultry, pigs, &c. It is generally made in two leaves, and the price, 10 feet wide by 4 feet high, complete with mounting for wood or stone piers, drop-bolt and latch, is £4 : 10s.; and if handsome Cast-Iron Pillars are wished, as represented in the cut, they will cost 30s. per pair extra, including bolts.

STRONG WROUGHT-IRON PREMIUM FIELD GATES.



These Gates are constructed upon the most approved principle to combine strength with lightness. They are perfectly secured from dropping by diagonal bars, and from twisting, by having the back styles welded to the top and bottom bars with strong solid knees.

Specimens of these Gates were exhibited at the shows of the Highland and Agricultural Society of Scotland at Edinburgh, Dumfries, and Dundee, and were highly approved of by the judges "*on account of their cheapness and good workmanship.*" They were shewn at the meeting of the Royal

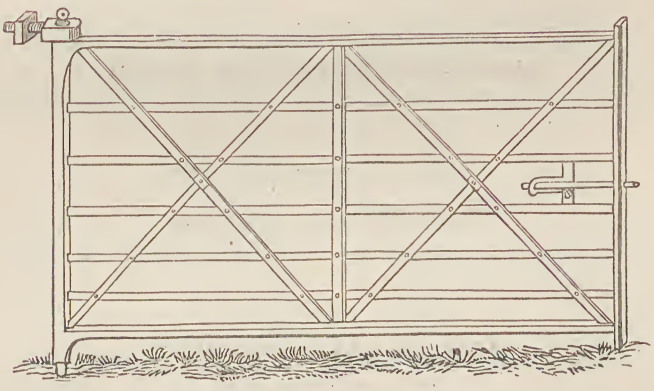
Agricultural Improvement Society of Ireland, held at Belfast, where their superiority gained a high Premium and the Silver Medal; and they also carried the Silver Medal at Glasgow. These Gates are constructed for the general requirements of gentlemen's farms and domains.

PRICES.—9 feet wide by 3 feet 9 inches high, 30s., 35s., 40s., and 45s. each, complete, with all the necessary mounting for hanging them to stone or wood posts.

STRONG AND HANDSOME CAST-IRON POSTS for do. are supplied, and the gates hung to them, when parties wish such in preference to their own wood or stone. The price is 26s. per pair, including all the necessary bolts and nuts.

STRONG WROUGHT-IRON FIELD GATES,

Constructed expressly for Ireland, America, and the Colonies.



In Ireland, America, and the Colonies, the carts and waggons in ordinary use are small and narrow, while their fences and enclosures are generally high. The above Gates are therefore made expressly for these countries, and are only 8 feet wide; the prices, however, are the same as the other field gates, viz., 30s., 35s., 40s., and 45s. each, complete, with all the necessary mounting for wood or stone posts.

STRONG AND HANDSOME CAST-IRON POSTS for do. are supplied, and the Gates hung to them, when parties wish such in preference to their own wood or stone. The price is 32s. per pair, including all the necessary bolts and nuts.

When twelve or more of these Gates are ordered at once, they will be delivered free at any of the principal sea-ports in the three Kingdoms.

FINE WROUGHT-IRON BALUSTER PARK GATES,

Single and Double Leaf, £4 : 4s. and upwards.

COMMON DOUBLE PARK GATES,

£2 : 10s. to £3 : 10s.

WROUGHT-IRON TURNPIKE BAR GATES,

Of very superior construction.

GARDEN GATES AND DOORS OF WROUGHT AND CAST IRON,

With Fine Locks.

FARM YARD GATES WITH BACK WEIGHTS.

These Gates are hung on pulleys, the weight of which acts as a counterpoise to that of the gate, so that any one can easily lift them up or down. Prices various.

STRONG WROUGHT-IRON GATES,

On the Sympathetic Movement, for Parks, Lodges, Entrances, &c.

HARE AND RABBIT PROOF GATES,

For Iron and Wire Fences, &c.

DOCK GATES,

Constructed of wrought and cast-iron in conjunction with brass and wood, for docks, &c.

GATES AND DOORS,

For Dog-kennels, Yards, and Exercising Grounds.

TURNSTYLES,

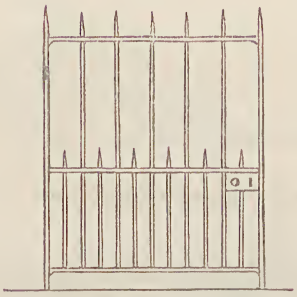
For Parks, Yards, and Entrances.

Wicket Gates.

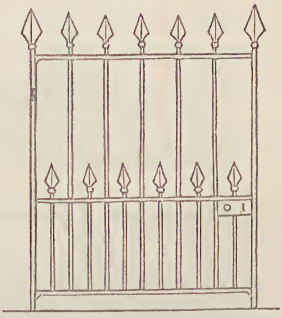
Manufactured in a great variety of styles and patterns, for every purpose and situation, of Wrought and Cast Iron.

PLAIN WROUGHT-IRON BALUSTER WICKETS.

No. 1.



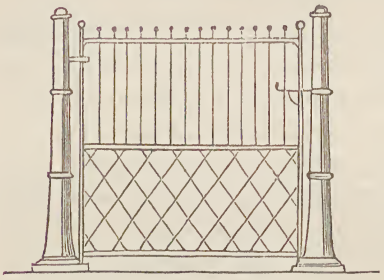
No. 2.



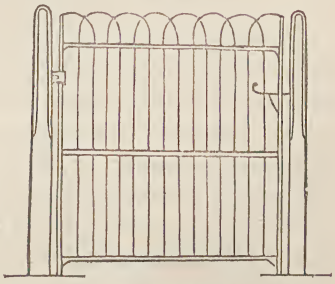
Intended principally for hanging to stone posts and walls. Prices from 35s. to 45s. each.

ORNAMENTAL WICKETS.

No. 3.



No. 4.



For crossing garden walks, &c., when no particular style is necessary.

Prices, exclusive of pillars, 40s. and 45s. each. Pillars 18s. to 24s. per pair extra.

FINE WROUGHT AND CAST IRON WICKETS,

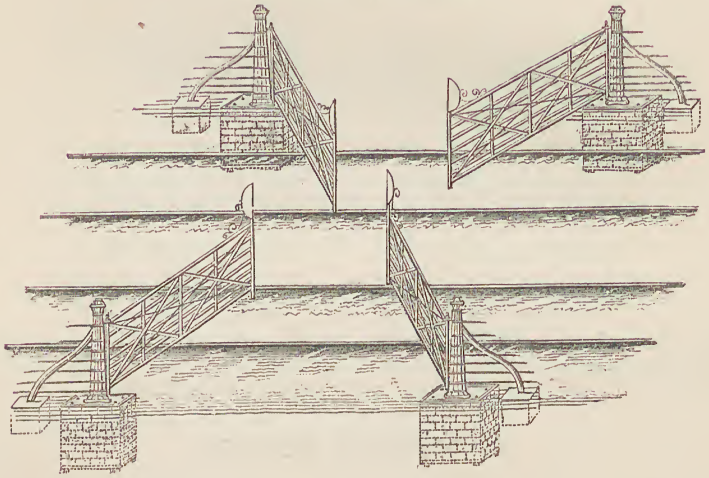
Made to correspond with the various patterns of Entrance Gates.

WICKETS FOR WIRE FENCES.

Railway Gates and Railing.

SIMULTANEOUS-ACTING IRON GATES,

For Railway Level Crossings.



Where a line of railway crosses a road, either public or private, on the level, single-leaf gates, either of iron or wood, are very troublesome and dangerous, besides being most expensive from the attendance necessary to prevent accidents. The expense and inconvenience of these gates led engineers to endeavour, by means of connecting chains and wheels, to get large wooden gates to act simultaneously, the one moving the other. This has in some cases succeeded, but the great expense, and their constantly going out of order from their extreme length, have prevented their general application. In several instances, indeed, the trouble connected with them, and the almost daily expense for repairs, led to their being entirely removed, and replaced by ordinary gates. These considerations induced C. D. Young and Co. to give the subject their attentive consideration, with the view of getting the principle to act with iron, which, from its nature, would not be liable to these objections. After many experiments, they overcame every difficulty, and succeeded in getting a set of four iron gates or leaves to act simultaneously by means of underground machinery and connecting rods, thereby forming a complete, easily managed, and economical substitute for the others. Each gate or leaf in the set is con-

structed entirely upon the same principle as the others manufactured by C. D. Young and Co., viz., with strong solid back styles welded to the top and bottom bars. In addition to this, they are strengthened and supported by two strong angle tension-rods or ties on each side, raised in the centre by means of strong iron brackets. These tension-bars prevent the gates from twisting in the slightest degree on being opened or shut, while each leaf can be raised at the point to any extent by these rods, thereby throwing all the weight of the gate from the front to the back style. Each gate is hung to its post by strong iron bridles or plumber-blocks with gun-metal bushes, working at the bottom on fine steel centres. So accurately are they fitted and hung, that the whole four leaves or gates act easily and simultaneously on one being moved, and by this leaf all the others are completely governed, without requiring the least force or effort to effect the movement.

Sets of Gates upon this principle can be made to act as successfully on an oblique angle as on the square; indeed they can be made to suit every peculiarity of situation or circumstance, and to open either inwards, closing up the railway, or outwards, as may be required. By this means the whole can be opened or shut at pleasure, without the necessity of the gate-keeper crossing the line. They can be constructed to any width needed. Some sets on the Scottish Central were made by C. D. Young and Co. sixty feet wide on the skew line.

The importance of these Gates for crossings on a level cannot be too highly estimated. Their simplicity of construction is such, that there is not the least likelihood of their going out of order; and if ever they should, it can only be at the bottom of the back styles of the Gates, to which there is easy access without breaking ground or stopping the traffic, by merely unlocking the cover of the "*wells*" in which they work. The complete command the gate-keeper has over the whole set,—the ease with which they are moved,—their great strength,—and finally, their economy, compared with all other kinds, render this application of the principle by C. D. Young and Co. of the greatest value, more especially as Government is becoming so stringent in its measures of safety for such situations. Their efficiency can be seen and judged of on the Edinburgh and Northern Railway; at all the important level crossings on the Edinburgh and Hawick; on the Caledonian; on the Lancashire and Yorkshire at Ashton-under-Line; on the Liverpool and Bury; on the Shrewsbury, Birmingham, and Shropshire Union; on the Shrewsbury and Stafford; on the Great Northern; on the Scottish Midland,—and on all the level crossings of the Scottish Central, over the whole line, where they have met with the entire approval of the Government Inspectors and the respective Engineers.

SIMULTANEOUS-ACTING LEVEL-CROSSING GATES,

In connection with Signals.

Another strong recommendation in favour of these Gates, and one not the least important, is their connection with *Signals*. The apparatus is of the simplest construction, and completely provides against the least possibility of accident through negligence on the part of the gate-keeper at the crossing, which on all lines is the spot where the greatest risk and danger to life and property is incurred. This object is effected by placing ordinary signal posts on the "*up*" and "*down*" sides of the line, at any required distance from the crossing. On these signals, and on the back styles of the gate next them, are attached pulleys, connected by means of a double line of wire, fixed in the centre of each, so that as the gates open or shut they work both "*up*" and "*down*" signals simultaneously. By this means the state of the Gates at the crossing is at all times perceived by the engineman of the coming train long before he makes up to it, affording him plenty of time to advance slowly, or stop if necessary, thus rendering him totally independent of the gate-keeper in the case of neglect,—and thus removing one of the greatest objections to level crossings, while the additional expense is trifling.

C. D. Young and Co. have at each of their places of business in London, Edinburgh, Liverpool, and Glasgow, Working Models of these Gates, and they will at any time be most happy to wait upon Engineers or the Directors of a company with these models, to demonstrate the working of the principle, and its simplicity. In the meantime, however, reference is made to their separate Treatise on the subject, containing a full description, with Plates illustrating these Gates in their various forms and modifications, which they will be glad to forward to Engineers on application.

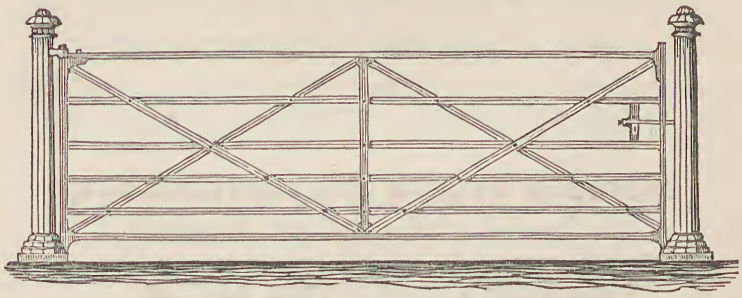
Plans, Specifications, and Estimates furnished, and contracts entered into for any amount of work to be put up in any part of the three kingdoms, the Continent, and America.

WROUGHT-IRON SIDE-GATES,

For Foot-Passengers.

Made to correspond with the above described Level-Crossing Gates, to save the necessity of constantly opening and shutting the latter for passengers, and also to avoid confusion and danger.

RAILWAY FIELD-GATES.



These Gates are for narrow level crossings and for ordinary entrances to fields along a line. Gates for these purposes on most of the railways lately formed have been made of wood, partly because the paling was also of wood, and partly because wooden gates were much more easily got than cheap iron ones of good construction. To this department of their work C. D. Young and Co. have devoted much attention, and the result has been, that they have succeeded in producing Iron Gates upon a principle which renders them sufficiently strong to resist any pressure or usage, and so cheap as completely to supersede those of wood in ordinary use. They have been adopted on the Edinburgh and Hawick, Chester and Holyhead, Dundee and Perth, Glasgow, Neilston, and Barrhead, and Stirling and Dunfermline Railways, where they have given entire satisfaction to the engineers and all others concerned.

RAILWAY GATES AND RAILING.

Entrance Gates and Railing for Stations, Termini, &c., as described in the preceding pages, manufactured to suit every style of architecture.

RAILWAY FIELD-GATES,

Double Leafed.

For those proprietors and farmers along a railway who prefer their gates made in two halves.

Cast-Iron Railing and Balustrading.

CAST-IRON RAILING AND BALUSTRADING,

In plain and highly ornamental designs, for Staircases, Galleries, Churches, Cemeteries, &c.

CAST-IRON RAILING AND BALUSTRADING,

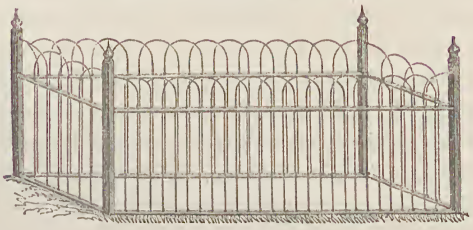
For Railway Retaining-walls, Lodges, Terraces, &c.

WROUGHT AND CAST IRON RAILING,

For Cottages, Areas, and other purposes of enclosure and protection.

TOMB RAILINGS,

In varied and appropriate designs.



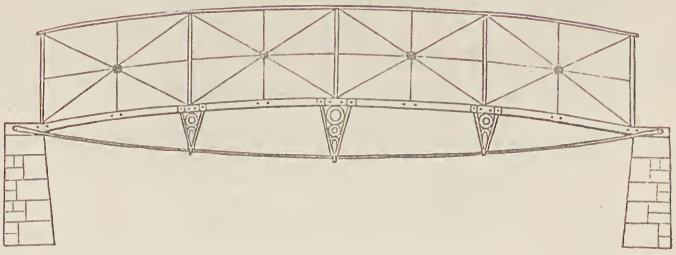
For this purpose the variety of design is infinite, and enclosures can be made at any price from 40s. upwards. For exportation they are constructed in pieces, so that any person can put them together without difficulty.

MISCELLANEOUS DEPARTMENT.

Iron Bridges.

STRONG WROUGHT-IRON TENSION BRIDGES,

For Foot Passengers, Carriages, &c.

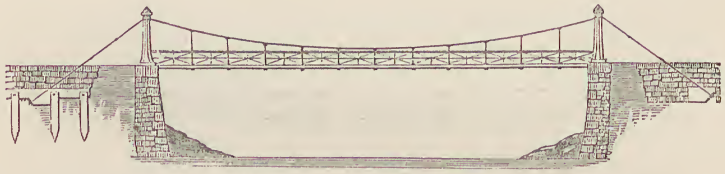


THERE is nothing that forms such an interesting feature in the landscape as a Bridge, and the more suitable the design to the situation, and the plan to the purpose, the more striking and pleasing is the effect produced.

For short spaces, the Tension Bridge, as represented in the above cut, has all the advantages of the Suspension, and is in some situations more suitable. It can be erected at less cost than the ordinary Wooden Bridges in use; and for appearance and strength, is much superior. The prices vary, for foot passengers, from 20s. to 25s. per foot in span, and for carriages, waggons, &c., from £3 to £6 per lineal foot in span, according to the width of pathway and the weight the Bridge will be required to sustain.

For Railway Crossings the Tension Bridge is most suitable; it is the strongest of any, and by far the most economical. C. D. Young and Co. have erected such on the Edinburgh and Hawick, and would refer to that across the line at Hassendean Burn as an example.

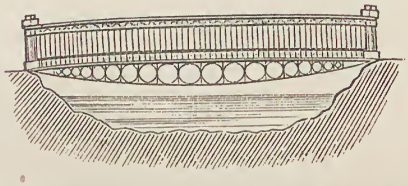
STRONG WROUGHT-IRON SUSPENSION BRIDGES.



The elegant lightness of appearance and strength of Suspension Bridges have led greatly to their introduction in domains and policies where ornament, as well as durability and economy, was an object.

PRICES.—For foot passengers, 25s. to 35s. per lineal foot, but for Carriages, Waggons, &c. detailed Estimates will be furnished when required, with accompanying plans and specifications.

CAST-IRON BRIDGES.



Made also on the Tension Principle as well as that of the Arch, &c.

For the East and West Indies, &c., these Bridges are peculiarly adapted, especially those on the Tension Principle, on account of their convenience, economy, and the facility by which they can be erected on the spot, without the necessity of sending men from this country; but for extensive contracts, when the amount will warrant the expense, an experienced superintendent will be sent under special agreement.

C. D. Young and Co. have been employed by Government, for several of the West India Islands, in erecting these Tension Bridges, and those they have put up have given the most perfect satisfaction to the Commissioners.

Plans, Specifications, and Estimates given upon receiving measurements.

Iron Houses and Erections.

PORTABLE IRON HOUSES AND STORES,

For Exportation, &c.

Of Wrought and Cast-Iron, for Dwellings and Stores, made especially for exporting to the East and West Indies and other warm countries. Being portable, they can be taken down and removed at pleasure, and sent to any distance at little expense. They can then again be put up by any person of ordinary intelligence in a very short time. In their construction every attention is paid to having them ventilated on the best principles; and the most classic as well as plain designs can be wrought out. Estimates sent to any part of the world, upon receiving specifications of the accommodation required.

WROUGHT & CAST IRON HOT-HOUSES, CONSERVATORIES, AND GREEN-HOUSES,

with Crown and Plate-Glass, planned for the smallest as well as the most extensive establishments, and heated on the most approved systems with hot air or hot water.

In the erection of Hot-Houses, the use of Iron has much to recommend it; the facility with which, by its means, the most beautiful designs can be wrought out, its elegant appearance even in the plainest form, its comparative economy and its durability, all point it out as a material vastly superior to stone or timber for this purpose.

HOT WATER HEATING APPARATUS,

For Hot-Houses, Conservatories, Churches, Mansions, &c.

This method is that most generally adopted for heating Conservatories, Hot-Houses, &c. It is the most efficient, economical, and that which requires least attendance. Detailed estimates, with full particulars and specifications, will be given on receiving a rough sketch and ground-plan of the houses to be heated.

Cast-Iron Vases.

For Flower Gardens, Terraces, Pleasure Grounds, &c., these are of the most elegant designs and the finest workmanship, including copies of the celebrated old and modern originals.

In this country the increased attention given to the Fine Arts themselves by a larger proportion of the community than before, has gradually caused a greater desire for extending their influence to the external arrangement of Grounds in the vicinity of Mansions, one principal feature of which is the reproduction of ancient specimens in connection with present use. The VASE, in all its varieties, is a form peculiarly suited for this, whether as a mere object of admiration in itself, or when adapted to particular purposes; and models once thrown into the mould can be infinitely multiplied at a trifling cost in this material. The following cuts represent a few of the most beautiful:—

THE MEDICI VASES.

Nothing can exceed the beauty of these examples: they are quite equal to the great originals, in proportion, execution, sharpness, and beauty of outline. The figures stand in bold relief, and as specimens of Iron Casting they are unequalled in the world.

PRICES.

30 inches high, with figures,	exactly as shewn above,	£6	6s. each.
19 inches high,	do.	3	3s. each.
30 inches high, without figures,	do.	5	5s. each.
19 inches high,	do.	2	10s. each.

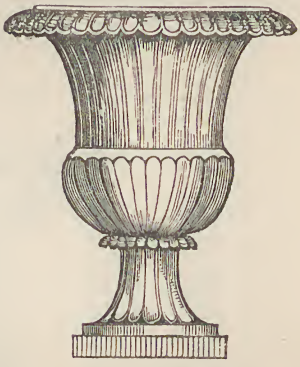
THE WARWICK VASE.

This is a most successful copy of the celebrated Vase. It stands nearly 2 feet high, by about 3 feet wide, and for many situations there could not be a more beautiful ornament. The price is £9 : 10s.

ORNAMENTAL CAST-IRON VASES.

No. 1.

No. 2.



The above are patterns that have been much admired, and have commanded a great sale on account of their elegance and cheapness.

PRICES.

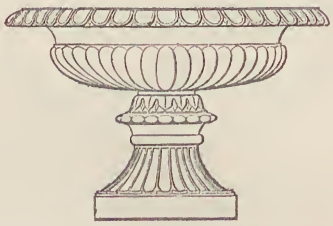
CAST-IRON VASE—PATTERN No. 1.

30 inches high, with scroll,	£4 15s.	24 inches high, with scroll,	£3 3s.
30 inches high, without scroll,	3 15s.	24 inches high, without scroll,	2 15s.

CAST-IRON VASE—PATTERN No. 2.

42 inches high, £7 : 10s. each. 30 inches high, £3 : 10s. each.
20 inches high, £1 : 16s. each.

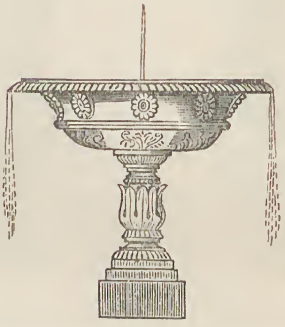
THE TAZZA VASE.



This is a very beautiful variety in this department. The casting cannot be surpassed, while its finish as a whole renders it a perfect specimen of art. It is most suitable as a centre piece to a Rockery, or figure in ornamental grounds. It is also frequently used in small gardens as a Jet d'Eau.

Price £3 : 10s. each.

CAST-IRON JET D'EAU.

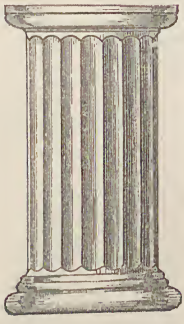


As an ornament to a flower-garden, nothing is more beautiful than a Jet d'Eau, and where a sufficient height of water is to be had, no garden of any extent should be without one. In this department the variety is great, and the prices vary from £4 : 4s. to £60. The cost, however, of one, same as represented in the above cut, to stand 5 feet high by 5½ feet across the basin, is £21 ; and, for the size and beauty of workmanship, a cheaper or more suitable ornament could not be selected.

SUN-DIALS.

The Sun-Dial stands next in importance to the Jet d'Eau as an ornament for a flower-garden. The price is £10 : 10s. The Dial is engraved in the best style, and is regulated with the most minute accuracy, to suit the longitude of any part of the country.

CAST-IRON PEDESTALS.



To suit the various Vases described above, at prices varying from £1 : 1s. to £4 : 4s.

All the above are painted in imitation of any stone or marble with Anti-corrosive Paint, by which they are preserved effectually from rust. If preferred, they can be bronzed at a small additional cost.

ORNAMENTAL WIRE VASE.

No. 1.

Ornamental Wire Vases are better suited for some purposes than those of cast-iron, such as for holding cut flowers in moss in a conservatory, room, or hall. The price of the above pattern is 35s. each.

ORNAMENTAL WIRE VASE.

No. 2.

This is another pattern of the same class, and is also much admired. It is the same price as the other.

Tree and Plant Guards.

STRONG WROUGHT-IRON TREE GUARDS.

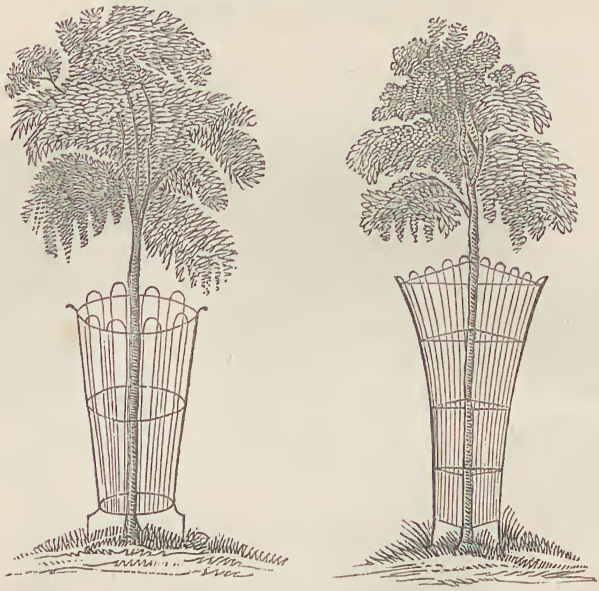
The above engravings represent elegant and strong substitutes for the unsightly wooden protectors that usually surround young and ornamental trees in lawns and parks. They afford perfect security against Sheep, Horses, Cattle, &c., while, from their light appearance, they neither mar the beauty of the landscape, nor the trees which they surround; and, being quite portable, are easily removed when required.

PRICES.

3½ *feet,*	4 *feet,*	4½ *feet high above ground.*	
14s.	15s.	16s.	2 feet diameter at top and bottom.
15s. 6d.	16s. 6d.	17s. 6d.	2½ feet diameter do.
18s.	19s.	20s.	3 feet diameter do.

each, painted and complete, with all the necessary bolts and nuts for screwing them together.

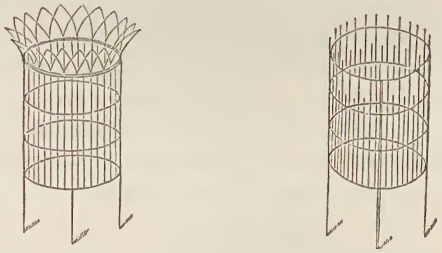
LIGHT IRON TREE GUARDS.



These Guards are principally intended for protecting young trees from sheep, in grounds where there are no horses or cattle. They cost 10s. and 12s. each, according to the size.

STRONG ORNAMENTAL WIRE GUARDS.

No. 1. No. 3.



No. 1. represents Gothic Wire Plant-Guards. Being highly ornamental, they are intended for protecting plants in the immediate vicinity of a mansion, or in parts of a pleasure-ground where fine appearance is an object.

PRICES.

12 inches dia., 2s. 6d.—18 in., 3s. 9d.—24 in., 5s. each, by 20 inches high.

No. 3 is another pattern of an Ornamental Guard, less expensive than No. 1; but also much admired.

PRICES.

12 in. dia., 2s.—18 in., 3s.—24 in., 4s., by 21 inches high.

STRONG WIRE PLANT GUARDS,

Made from Netting.

No. 2.

This Cut represents Plant Guards made from the Premium Hare and Rabbit Proof Wire Netting; and from their exceeding cheapness and efficiency, they have commanded a most extensive sale. They are made with strong wire rings at the top and bottom, with prongs for fixing them into the ground; and in order to get them round plants, shrubs, and trees without injuring the foliage, they are made (as also are the Guards Nos. 1 and 3) to open and hook at the side.

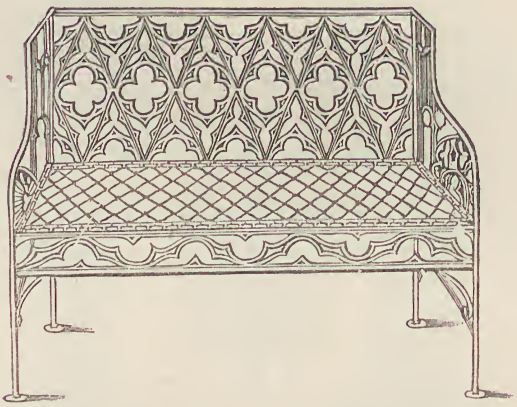
PRICES.

18 in. high	by	9 in. dia...	1s.	each.	24 in. high	by	9 in. dia...	1s.	2d.	each.
18 "	by	12 " ...	1s.	4d. "	24 "	by	12 " ...	1s.	6d.	"
18 "	by	18 " ...	2s.	"	24 "	by	18 " ...	2s.	3d.	"
18 "	by	24 " ...	2s.	8d. "	24 "	by	24 " ...	3s.		"
27 "	by	9 " ...	1s.	4d. "	30 "	by	9 " ...	1s.	6d.	"
27 "	by	12 " ...	1s.	9d. "	30 "	by	12 " ...	2s.		"
27 "	by	18 " ...	2s.	8d. "	30 "	by	18 " ...	3s.		"
27 "	by	24 " ...	3s.	6d. "	30 "	by	24 " ...	4s.		"

The above Guards are all carefully painted, and when the amount of an order exceeds £10, they will be delivered free at any of the principal ports or towns in the three kingdoms.

Wrought and Cast-Iron Garden Chairs and Seats.

CAST-IRON GOTHIC GARDEN SEAT.

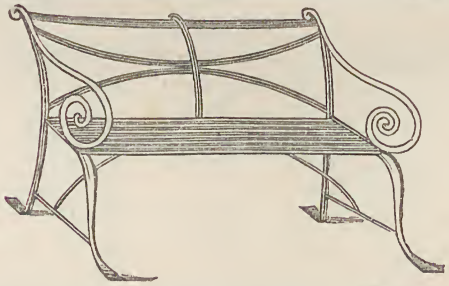


This Chair is made to unscrew for packing, and is very well adapted, in consequence, for being sent to a distance.

PRICES.

1 seat, 25s. to 30s.	3 seat, 35s. to 40s.
2 seat, 30s. to 35s.	4 seat, 40s. to 45s.

FINE WROUGHT-IRON GARDEN SEAT.



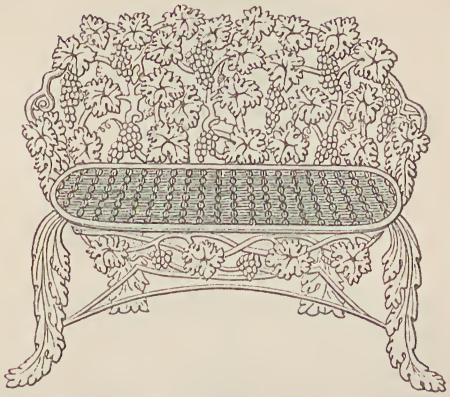
This Chair is greatly recommended for its elegant appearance, and the comfort and ease of its seat. It is less liable to be broken, and being lighter than the Cast-Iron Chair, it is much more easily moved.

PRICES.

1 seat, 28s. to 30s.	3 seat, 35s. to 40s.
2 seat, 30s. to 35s.	4 seat, 40s. to 45s.

ELEGANT CAST-IRON GARDEN SEAT.

Vine Pattern.



This is a new pattern lately brought out, and from the rich design has sold well.

PRICES.

Chair for one person, 26s. | Chair for two persons, 35s.

CAST-IRON SINGLE SEAT CHAIR.

Oak Leaf Pattern.

No. 2.

This is also a very beautiful pattern, and is one that will harmonize well with many situations where it can be most appropriately placed.

Price 26s.

SINGLE-SEAT CHAIR OF IRON AND WIRE.

This is the most comfortable, convenient, and economical Chair that has ever been constructed of iron. The seat being made of wire, renders it as pleasant to sit upon as a stuffed dining-room Chair. It is so light and portable that it can be lifted about from place to place without the least effort, while from its being made of wrought-iron, it is not liable to injury.

Price 13s. 6d. and 14s. 6d. each,

being just about half the cost of a cast-iron chair the same size, and possessing advantages the cast-iron does not. Immense numbers of these Chairs are sold, and sent to all parts of the three kingdoms.

CAST-IRON GARDEN CHAIRS,

Convolvulus Pattern.

These Chairs are of a late design, and cost about the same as the Gothic Pattern.

CAST-IRON GARDEN CHAIRS,

With Wooden Seats.

Many parties object to Cast-Iron Seats from their coldness, and, in order to meet the wishes of such, this variety is provided. They are not comparatively recommended, however, as wood retains the wet, and stains the dress when sat upon, besides being more expensive.

Prices from 40s. to 60s.

STRONG WROUGHT-IRON SEATS,

To go round Trees.

Nothing is more agreeable than a comfortable seat under the shade of a tree. These Chairs are circular, in two halves, and can be put round a tree without the least trouble, and fixed together by means of neat screwed bolts and nuts without in the least injuring the tree. Indeed they are more a protection than otherwise. They can be made to suit any size of tree, and the price is 8s. per foot in circumference.

To remove the objection often started against Iron Seats and Chairs, viz., that they throw out rust, C. D. Young and Co. have them painted in the most careful manner with Anti-corrosive Paint, so as effectually to prevent the least possibility of this being any longer an objection.

WROUGHT AND CAST-IRON GARDEN TABLES,

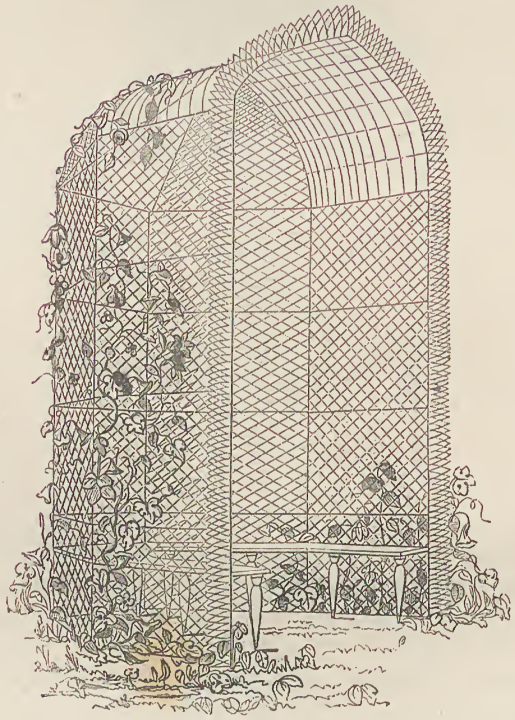
Price 30s. and 36s. each.

Ornamental Wire Work,

For Flower Gardens, Pleasure-Grounds, &c.

STRONG IRON AND WIRE ARBOURS,

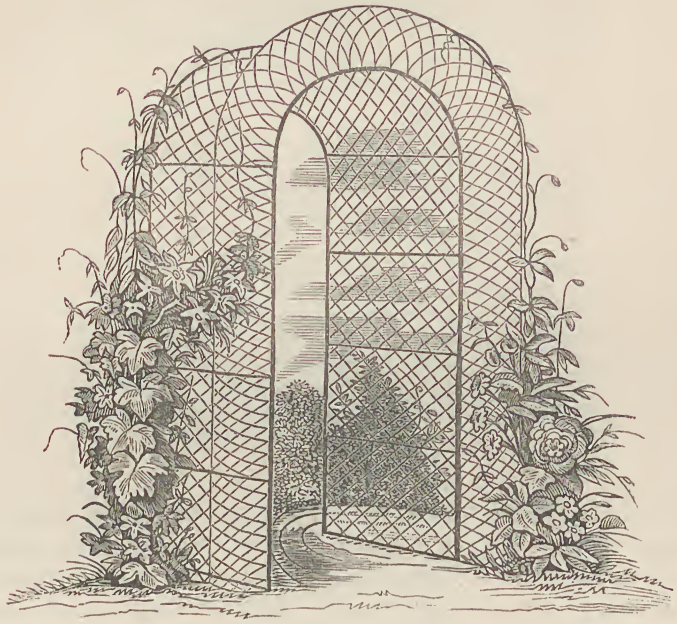
Constructed to come in pieces for carriage.



Many gardens have Arbours made of wood in various forms, some being built close, in conjunction with moss; and others in a rustic style, with branches of trees and spars of lath in lattice work. These, however, are expensive, retain damp, and generate vermin. Though in some situations they are more picturesque, yet those of iron and wire, as represented in the above cut, are unquestionably in most cases the best adapted for the purpose, less expensive, and affording greater facilities for training. They are so constructed that when sent to the country they can be easily put together, and fitted up by any intelligent gardener.

STRONG IRON AND WIRE ARCHWAYS,

Constructed to come in pieces for carriage.



This pattern of Archway is well adapted for Cottages and Lodge Doors, Garden Entrances, and for putting against a garden-wall to form a Bower or Summer-seat. The frame-work is made in the strongest manner of wrought-iron, upon which the wire-work is wrought. It is fixed in the ground by means of bats run with lead into small stones, and when intended for a wall or cottage door, is secured by means of holdfasts, all of which are sent for the purpose.

PRICES.

35s., 40s., 45s., 50s., 55s., and 60s. each, according to size.

PLAIN IRON AND WIRE ARCHWAYS,

Similar to the above, but without the border.

Price 35s. each.

STRONG IRON AND WIRE COLUMN-ARCHWAYS,

Constructed to come in pieces for carriage.

This Archway is intended for crossing Garden-Walks, for the purpose of training Creepers, Climbing Roses, &c., and can be made to any size, to suit the place for which they are intended. As in the others, the whole frame-work of this Arch is of wrought-iron. The ornamental wire-work is afterwards finished; and as the pattern is generally placed in more exposed situations than any of the others, it requires to be proportionably stronger. Each column is made with a prominent base, which is secured to large stones by means of strong cross-straps and bats. When covered with creepers this Archway has a most imposing effect; and even of itself it is an ornament.

PRICES.

40s., 50s., 60s., and 80s. each, according to size.

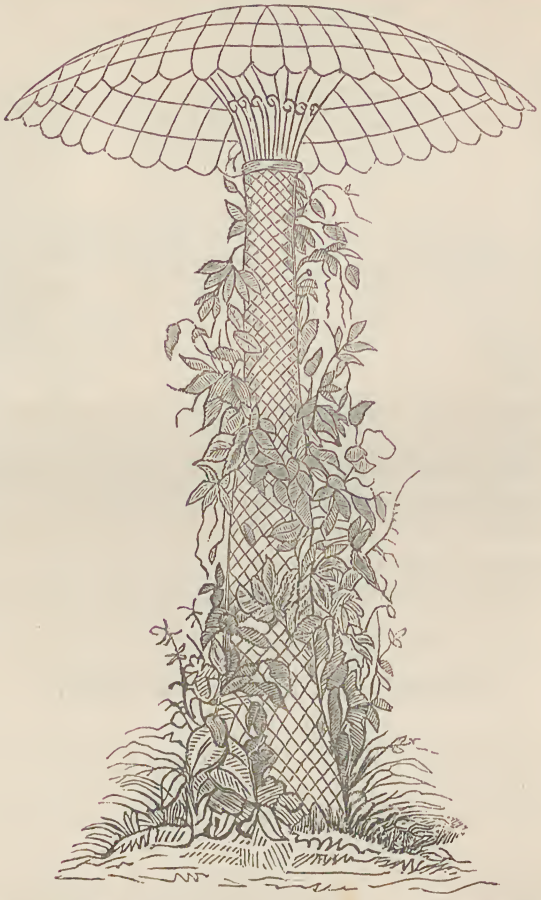
LIGHT IRON AND WIRE COLUMN-ARCHWAYS,

For Narrow Walks.

These Columns are much lighter than the above, and are adapted either for crossing narrow walks, or in forming a succession of Arches along each border over which creepers are trained.

Prices various.

STRONG IRON AND WIRE UMBRELLAS AND CANOPIES.



This ornament forms an excellent Centre-Piece in a flower garden or garden plot, and can be made to any height, to be in proportion to the size of the ground. Of itself it has an elegant appearance, but nothing can be more beautiful when covered with Ayrshire Roses, or other climbers.

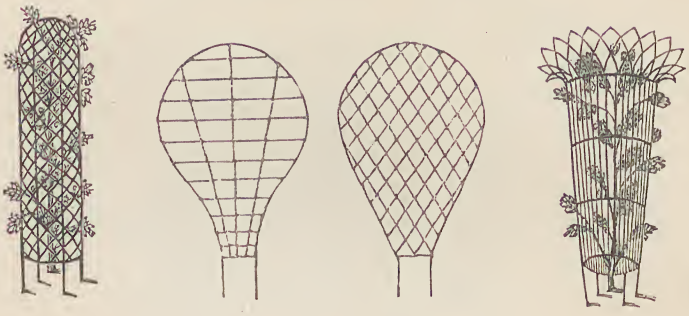
Prices 30s., 40s., 50s., 60s., 70s., and 80s. each, according to height.

SMALL IRON AND WIRE UMBRELLAS,

With three-pronged Iron Stalk, 10s. 6d. each.

WIRE TRAINERS FOR FLOWERS AND CREEPERS.

No. 1. No. 2. No. 3. No. 4.



These Trainers are in a great variety of patterns, of every form requisite for training.

Nos. 1 and 4 are well suited for sweet peas, clematis, &c., either in the ground or in pots, and the prices are 2s. 6d. up to 8s. each.

Nos. 2 and 3 are Flat Wire Trainers, and are adapted also either for creepers from the ground or from pots.

Prices, 1s. 6d., 2s., 2s. 6d., 3s., 4s., 5s., 6s., 7s., and 8s., according to size.

ORNAMENTAL WIRE BORDERING,

For garden plots and figures, 1s. 6d. and 2s. per lineal yard.

This bordering is also made in the form of baskets, for surrounding small figures and plots, with ornamental handles across, over which creepers are trained.

Price of these baskets, with handles, complete, from 10s. upwards.

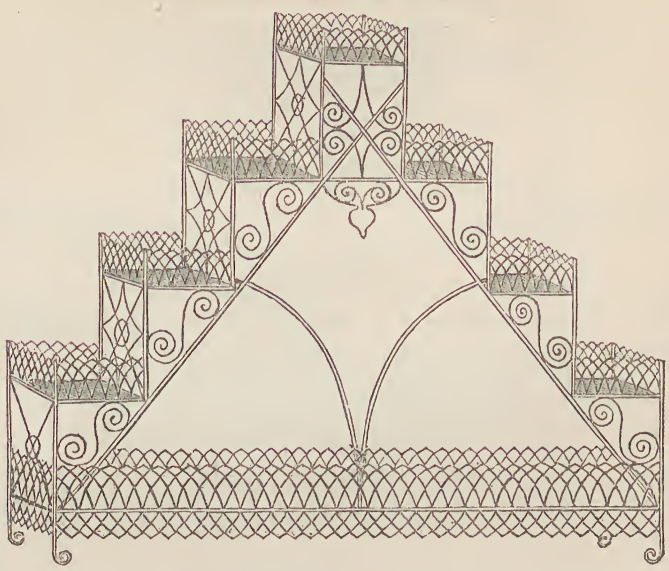
WIRE PEDESTALS AND COLUMNS,

For Training Creepers, &c.

METALLIC WIRE,

For tying Plants, &c., 1s. to 1s, 6d. per lb.

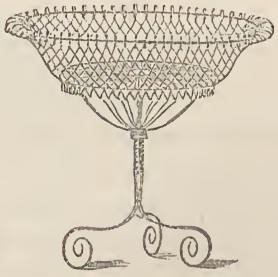
FLOWER STANDS AND TABLES.



Manufactured in many beautiful patterns for lawns, drawing rooms, lobbies, and halls, at prices from 10s. to 45s.

The pattern represented in the above cut is quite new, and is much admired. The price is 35s.

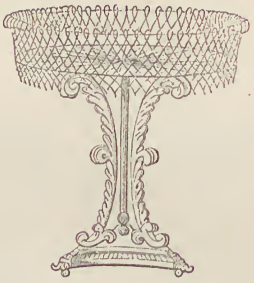
REVOLVING FLOWER STAND.



Well suited for a drawing-room window. From its revolving, the plants can be exposed alternately to the sun, and can be conveniently got at for watering, &c.

Prices 30s. and 35s. each; and with branches from the centre, 35s and 40s.

TRIPOD FLOWER STAND.



This is the most ornamental of the Small Flower Stands for drawing-room windows and boudoirs. It is mounted on castors, and can be bronzed to any pattern. Price 25s. each.

OVAL FLOWER STANDS.

Scroll and Gothic Patterns, for Windows, 18s. and 20s. each.

ORNAMENTAL IRON AND WIRE STEP STAGES,

For Rooms and Conservatories.

For the latter nothing can have a finer effect, and those Conservatories that C. D. Y. and Co. have fitted up on this plan have given the greatest satisfaction to all who have seen them. They can be made in any form.

ORNAMENTAL WIRE BASKETS,

For Plots and Clumps.

These are made in various patterns and shapes, to suit the taste of purchasers.

CONTINUOUS GARDEN ARCHWAYS,

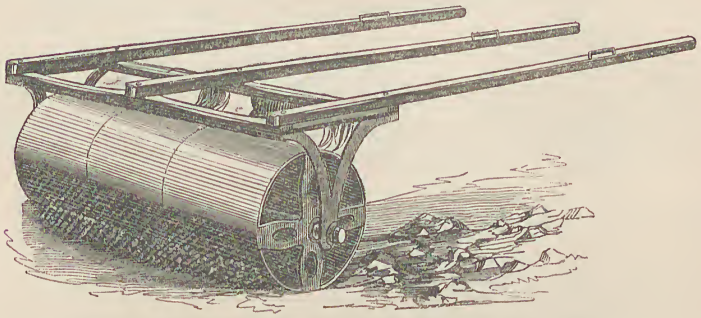
Of Iron and Wire.

The fine effect produced by an arched passage or walk covered with parasitics has led many to attempt the attainment of the object by means of lattice-work of wood; but this, from its perishable nature, together with the shadow produced by its density, have precluded its general use. Those of iron and wire are light, airy, and economical, besides having a much finer appearance.

Detailed estimates and drawings will be furnished on receiving a ground-plan and measurements of the site.

Garden and Field Rollers.

CAST-IRON FIELD ROLLERS.



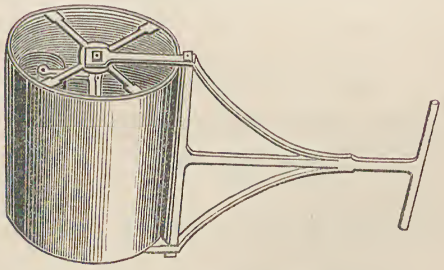
These Rollers are made upon a most approved plan, having two and three revolving cylinders, which gives a facility for turning without doing injury.

PRICES.

5 feet long by 22 inches in diamater.....	£11 : 10s.
6 " by do. do.	13 : 10s.
6 feet 6 inches long by 24 inches in diameter.....	16 : 10s.

CAST-IRON GARDEN ROLLERS,

For Walks, Lawns, &c.



Fully mounted with and without back balance.

PRICES.

18	20	22	24	26	30	and	36	inches long by 18 inches diameter.
40s.	50s.	60s.	65s.	70s.	80s.	and	90s.	each.

If with back balance, from 10s. to 20s. each, extra.

HAND GLASS FRAMES,

Of Iron and Zinc, all sizes.

No. 1. No. 2. No. 3. No. 4.

No. 1.—Cast-Iron Hand Glass Frames.

Prices—Unglazed.

14	18	20	22	and	24	inches square.
4s.	5s.	6s. 6d.	8s.	and	9s. 6d.	each—painted.

Prices—Glazed.

14	18	20	22	and	24	inches square.
5s. 6d.	7s. 6d.	10s.	12s.	and	14s.	each—painted.

No. 2.—Zinc Hand Glass Frames.

The Zinc Hand Glass Frames are for many purposes superseding cast-iron. They are much lighter and more convenient, and are fitted up with ventilators at the side.

Prices—Glazed, Complete.

12	14	16	18	and	20	inches square.
5s.	6s. 6d.	8s.	9d. 6d.	and	11s.	each—painted.

No. 3.—Small Round Ditto,

For Striking Cuttings in Pots, &c.

Prices—Glazed.

6	7	8	9	10	11	and	12	inches.
3s.	3s. 3d	3s. 6d.	3s. 9d.	4s. 3d.	5s. 6d.	and	6s.	each—painted.

No. 4.—Small Hexagon Ditto,

For Striking Cuttings in Pots, &c.

Prices—Glazed.

6	7	8	9	10	11	and	12	inches.
1s. 6d.	1s. 9d.	2s.	2s. 3d.	2s. 9d.	3s.	and	3s. 6d.	each—painted.

Horticultural Implements, &c.

WROUGHT-IRON FLOWER STAKES,

For supporting Standard Roses, Dahlias, &c.

PRICES.

4½ feet long	8s. per doz.	5½ feet long.....	10s. per doz.
5 feet long	9s. "	6 feet long.....	11s. "

Extra Strong Do. Do., with cast-iron fluted shods, 8s. per doz. extra.

STRONG WROUGHT-IRON FLOWER STAKES,

With 3 prongs.

For supporting Standard Roses, Dahlias, &c. in exposed situations, where single pronged stakes are insufficient.

PRICES.

4 feet long.....	24s. per doz.	5½ feet long.....	33s. per doz.
4½ "	27s. "	6 "	36s. "
5 "	30s. "	6½ "	40s. "

As they increase in height, these Stakes require to be proportionally stronger. All carefully painted green.

STRONG WROUGHT-IRON STAKES,

For Carnations, &c.

No. 1. No. 2.

These Stakes are much superior to those in ordinary use of wood. They afford better support, and offer greater resistance to the wind; and are most carefully painted.

PRICES.

No. 1.—6s. to 12s. per dozen.——No. 2.—3s. to 6s. per dozen.

CAST-IRON MELON AND CUCUMBER FRAMES.

Complete—all carefully fitted together—Unglazed.

7 feet 8 inches long by 6 feet..... £8 : 8s.
11 feet by 7 feet..... 12 : 12s.

CAST-IRON VERANDAHS AND BALCONIES,

Designed and executed in the Grecian, Gothic, and Elizabethan Styles of Architecture, to be in keeping with the buildings.

CAST-IRON WINDOW BALCONIES,

In various Styles.

The above cut represents an entirely new pattern for holding flower-pots, &c. *Prices.*—From 21s. to 30s. each—complete.

Light Iron and Wire Window Balconies,

For the same purpose—from 8s. to 15s. each.

COTTAGE DOOR VERANDAHS AND PORCHES,

Of Wrought and Cast-Iron and Wire, in light and elegant designs.

GARDEN ENGINES, AND SYRINGES OF ALL SORTS.

WARRANTED GARDEN SPADES.

BRASS PULLEYS, LOCKS, HINGES, &c., FOR HOT-HOUSES.

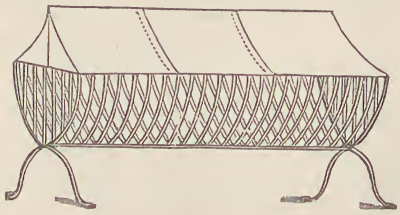
CAST-IRON DOORS AND FRAMES FOR HOT-HOUSE FURNACES.

CAST-IRON GARDEN LOOPS, AND WALL NAILS.

FINE WROUGHT-IRON NAILS, ALL SORTS.

Agricultural Implements, &c.

PREMIUM WROUGHT-IRON SHEEP HAY-RACKS.



This is an exceedingly useful article to agriculturists, for feeding sheep with hay, &c. It is entirely protected from rain and snow by a roof, and can be made with a Trough at the bottom, for holding oil-cake, &c.

PRICES.

6 feet long, without cover.....	£2 : 10s. to £2 : 15s.
" with do.....	3 : 10s. to 3 : 15s.
" with cover and wheels	3 : 15s. to 4 : 4s.

If made with a Trough for oil-cake, salt, &c., the price is 10s. extra.

These Hay Racks have attracted great attention at the various agricultural shows, and carried, at Dumfries, the Silver Medal of the Highland and Agricultural Society.

CAST-IRON FIELD ROLLERS,

Either single or double, made upon a most approved plan already described, at from £11 : 10s. to £16 : 10s. each, complete.

WEIGHING MACHINES.

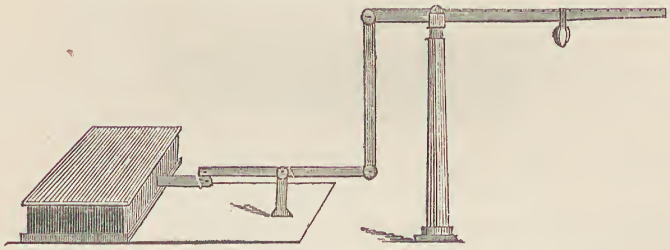
These are constructed for wool, bark, corn, flour, &c., at from £3 : 3s. to £8 : 8s., according to the size, &c.

PORTABLE WEIGHING MACHINES,

For Household purposes, from 14s. upwards.

IMPROVED STEELYARDS,

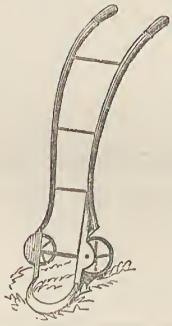
Of various sizes, to weigh from 56 lbs. to 3 tons, 30s. to £25.



These Steelyards are of great value, on account of their minute accuracy and portability. They can be moved about at pleasure with little trouble.

BEAMS, SCALES, AND WEIGHTS.

SACK BARROWS.



Of a simple and improved construction, from 20s. to 30s.

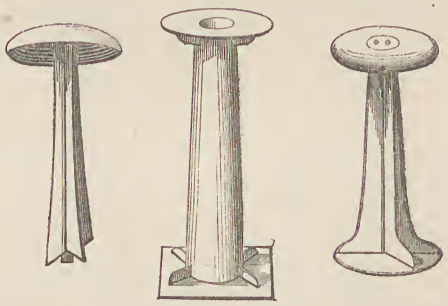
IMPROVED WROUGHT-IRON WHEEL-BARROWS.

CAST-IRON IMPROVED LEVER CHEESE PRESSES.

IMPROVED GATE LATCHES AND HINGES.

IMPROVED CAST-IRON STACK-STOOLS.

No. 1. No. 2. No. 3.



Constructed for preventing vermin getting into Stacks.

Prices.—2s. 6d. to 5s. 6d. each.

IMPROVED WROUGHT-IRON CORN-RICK STAND.

These Stands are made entirely of wrought-iron, upon a principle that secures perfect ventilation throughout the whole stack, and which affords complete protection against vermin. They are so portable that they can be put up or removed at pleasure without the least difficulty by any farm-servant; and from the following low prices proprietors and agriculturists generally will find it economical to adopt them.

PRICES.

12 feet in diameter	.....	£4 : 10s. to £6 : 10s.
15 " "	.....	7 : 10s. to 9 : 10s.
21 " "	.....	11 : 10s. to 13 : 10s.

The price of each size varying according to the strength and the number of pillars.

CIRCULAR SAWS

Of the best quality, for Saw Mills, all sizes.

IMPROVED VERMIN TRAPS,

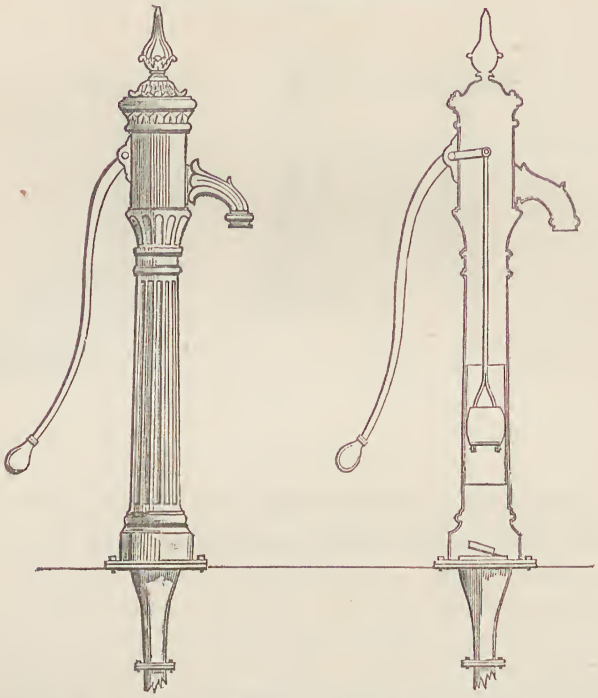
At 2s. to 8s. each.

LAND MEASURING CHAINS,

At 8s. to 12s., Imperial and Scotch.

IMPROVED CAST-IRON PUMPS,

With Copper-working Barrels.



These Pumps are made on the best principle, and can be fixed without difficulty to old pipe in any existing well. They are furnished, according to the size and quality, at from £2 : 10s. to £5 : 10s. The above cut represents the elevation and section of one of the best patterns. Price complete £4 : 4s.

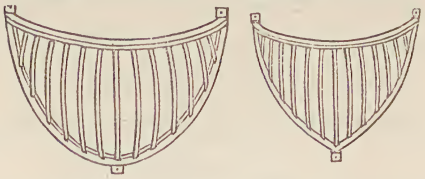
CAST-IRON TROUGHS,

For Horses, Cattle, Sheep, Pigs, &c.

PRICES.

For Horses, Cattle, &c., at from 40s. to 105s. each.
" Sheep, Pigs, &c. " 10s. to 13s. "
" Dogs, " 4s. to 6s. "
All carefully painted, and of the best construction.

WROUGHT AND CAST-IRON RACKS FOR STABLES,



Made in every shape,—Circular, Corner, and Bull's Eye.
Prices from 9s. to 14s. each.

MANGERS AND POSTS.

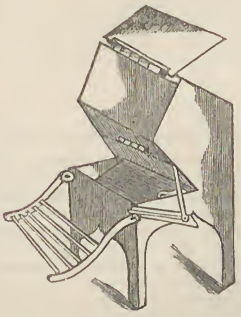
Together with every description of STABLE FURNITURE and FITTINGS.

Plans and definite Estimates furnished for fitting up Stables complete.

Manufactures for Game, &c.

PHEASANT FEEDERS.

Single and Double Perch.



The great economy of these Feeders is incalculable, and no preserve should be without them. They are all mounted with copper joints, to prevent the possibility of their ever getting stiff in the movement with rust; and are so fitted that no bird lighter than the pheasant can raise the lid.

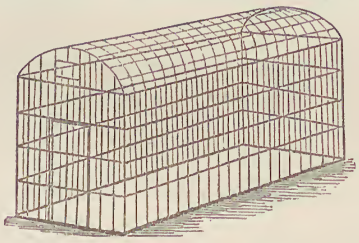
Prices.—Single Perch, 20s. each.—Double Perch, 22s. each.

These Feeders are also well adapted for feeding Poultry.

ORNAMENTAL AVIARIES AND PHEASANTRIES,

Constructed of Iron and Wire-Work, in various elegant designs,—round, square, and octagonal, with house in centre, and fittings complete.

LARGE PORTABLE PHEASANT BREEDING-CAGES.

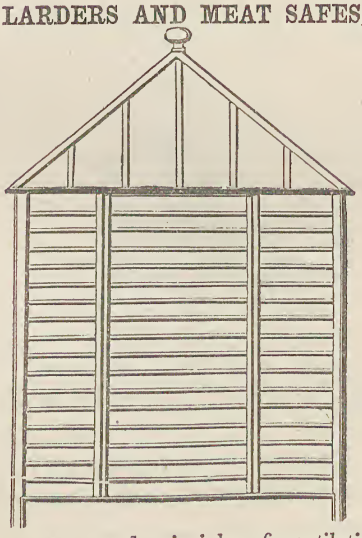


These are made in separate pieces, so that when not required, they can be laid aside, one piece within the other, without occupying much room; and when required again, they can be put up without the least difficulty or trouble.

WIRE COOPS AND HOUSES,

For Poultry.

LARDERS AND MEAT SAFES,



Made upon the most approved principles of ventilation, and in sizes to accommodate establishments of every extent, at prices from £10 to £60.

PORTABLE IRON MEAT SAFES.

PORTABLE WOOD MEAT SAFES.

FLY-PROOF WIRE WORK,

For Dairies, Larders, &c.

STRONG IRON WIRE WORK,

For Stables and Granary Windows, &c.

Plain laid Diamond and Twisted Pattern, at from 4d. to 10d. per square foot.

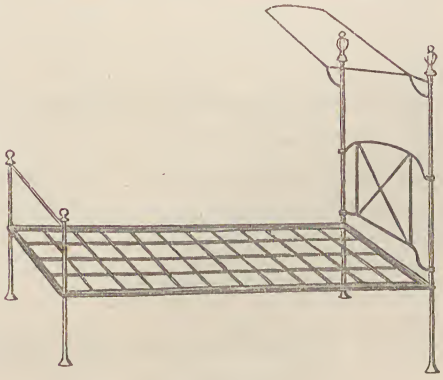
WIRE MEAT COVERS,

To exclude Flies.

Iron and Brass Bedsteads.

WROUGHT-IRON BEDSTEADS,

Portable, French, Stock, and Folding.



Iron Bedsteads are justly allowed to be, for all purposes, the most healthy, clean, and economical that can be used, for servants especially.

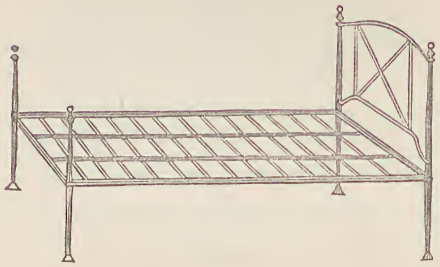
The foregoing cut represents the pattern most used for such, when Curtains are intended.

PRICES.

3 feet wide, by 6 feet 3 ..... 50s.	4 feet wide, by 6 feet 3 ..... 60s.
3½ " by " ..... 55s.	4½ " by " ..... 65s.

WROUGHT-IRON BEDSTEADS,

For Servants' Apartments.



When not intended for Curtains, this cut represents the kind generally made, and the following are the

PRICES.

3 feet wide, by 6 feet 3 ..... 40s.	4 feet wide, by 6 feet 3 ..... 46s.
3½ " by " ..... 43s.	4½ " by " ..... 50s.

These Iron Beadsteads are all carefully painted, either cream or stone colour, and, if preferred, they can be japanned at an additional cost of 3s. each.

IRON AND BRASS BEDSTEADS,

Ornamental patterns.

For Family Bed-rooms, C. D. Young and Co. have a number of elegant patterns, with Roofs and Fittings for Hangings, at Prices from 80s. to 120s., and upwards.

WROUGHT-IRON COTS AND CRIBS FOR CHILDREN,

In various Styles.

STRONG COMMON IRON BEDSTEADS,

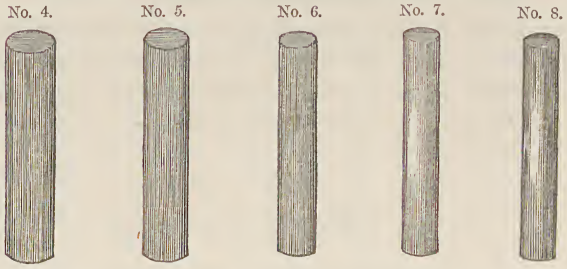
For Infirmaries, Hospitals, Poor-Houses, Institutions, &c., at from 15s. to 20s. each, painted.

PORTABLE IRON BEDSTEADS,

Prepared in cases specially for India, at various prices, according to quality.

Wire.

BEST PREPARED WIRE FOR WIRE FENCES.



This Wire is made expressly for fencing purposes from several varieties of the best iron mixed, which method of manufacture produces the best article. It is drawn in *long lengths*, and great care is taken in making it to preserve entire its elasticity, upon which so much of the efficiency of a wire fence depends. From the immense quantities C. D. Young and Co. consume in putting up their own work, as well as the extent of their sales both at home and abroad, they keep two mills constantly employed in rolling wire. By this means they are enabled to produce it of a quality unequalled in the market, and at prices which preclude competition.

Sold in bundles of 112lbs. or by the 100 yards, if preferred. Prices for the time being, furnished on application.

COMMON IRON WIRE.

Common Wire, for fencing purposes, is quite unsuitable; it is made from the cheapest Iron—is consequently in *short lengths*—is necessarily unsound

—and cannot therefore bear the strain that prepared Wire must be subjected to. *Annealed Wire* again, is of a still worse description; it is that portion of the common generally laid aside as unsaleable from its inferior quality, until made pliable by undergoing the process of annealing or softening, after which it is sold at a reduction for various purposes, but is totally useless for those of Fencing; although it has been used for such to the great prejudice of the system, by parties without experience, having no knowledge of the principles necessary to its efficient character and its very existence. It is very considerably cheaper than prepared Fencing Wire, and this has induced many parties to sell and use it for fencing in preference; but the result has invariably been insufficiency and consequent dissatisfaction.

Sold by the ton, or in bundles of 63 lbs. each.

TELEGRAPH WIRE.

Contracts entered into for any quantity of Galvanized Wire for Telegraphs, to be delivered in any port of the Three Kingdoms, the Continent, or America.

C. D. Young and Co. have already completed satisfactorily several extensive Foreign Contracts, and have others in hands.

BRASS AND COPPER WIRE,

For general and horticultural purposes.

WIRE STAPLES,

For attaching the wires of wire-fencing to wood posts, when proprietors prefer putting up their own fences, at 1s. 3d. to 2s. per 100.

GALVANIZED WIRE,

All sizes, for general and horticultural purposes.

ANNEALED BRASS WIRE,

For Snares, &c.

Paints, Oils, &c.

PATENT METALLIC PAINT AND OIL COLOURS,

For Iron and Outside Work, &c.

C. D. Young and Co. would respectfully call the attention of Landed Proprietors, Factors, and others to the above Paints, which are prepared specially for Iron and all Outside Work, such as Iron and Wire Fences, Hurdles, Gates, Bridges, Carts, Ploughs, Doors, Windows, Sheds, Stone Work, &c. &c.

Although principally prepared for such work, yet, from the fineness of the quality, they are equally suitable for all in-door requirements. Indeed, from their 'strength' and 'body' they are much better adapted for these purposes than the Paints usually employed.

The materials used in the preparation of these Paints are of the very finest quality, carefully ground in Oil to a thick consistency, in which state they are sent out, requiring only the addition of an equal quantity of prepared Oil, mixed together with the Brush, to be ready for use.

Proprietors providing themselves with these Paints, and causing them to be laid on by any of their own people, can get their work done as efficiently as by employing a professed painter, and at less than a third of the cost, while to gentlemen residing at a distance from any town, the economy and convenience of this plan must be doubly advantageous. They are sent out in small casks, and in quantities to suit the convenience of proprietors adopting this method.

PRICES.

Finest Green (all shades)	9d. per lb.
Finest Stone or Cream Colour	8d. "
Finest Lead Colour	6d. "
Patent Metallic Paint	5d. "
White Lead	3d. "
Finest prepared White Lead	4d. "

All other Colours equally low.

The Patent Metallic Paint and Lead Colour are admirably adapted for any Plain Work where durability is more an object than fine appearance, and as a priming or first coat preparatory to the use of Green and the other finer colours in more ornamental work. The Metallic Paint is used by all the principal Railway Companies for their Sheds, Stations, Waggons, &c.

OILS.

For mixing with the above Paints C. D. Young and Co. have prepared Oils of the finest quality. They are sent out in jars containing quantities to suit the different sized casks, at the following prices, 5s., 10s., 15s., and 20s., exclusive of the price of the jars, which will be allowed for on being returned.

BRUSHES AND PAINT POTS.

Fine Ground Paint Brushes from the best makers, assorted sizes; and Improved Cast-Iron Paint Pots.

From the facilities afforded by their Branches and Shipping Warehouses, C. D. Young and Co. will undertake to deliver the above Paints, Oils, &c. *free* at all the intermediate Railway Stations between London and Liverpool; also at Manchester, Hull, and all the principal sea-ports in Scotland, England, and Ireland.

C. D. Young and Co. have numerous testimonials from Proprietors, Factors, and others who have made use of their Paints.

PATENT DRYERS.

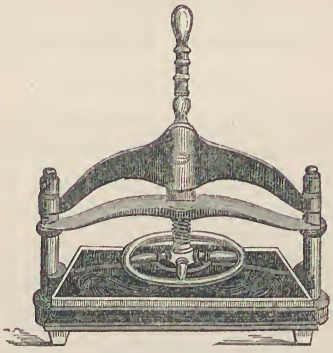
A small proportion of which, mixed with the Paints, will make them dry quickly, and at the same time give greater firmness of body. Price 1s. per pound.

TAR.

Archangel and Coal. Prices various.

For Banking and other Offices.

LETTER COPYING MACHINES.



These Machines are of an improved construction, and vary from 30s. to £3 : 10s. They are indispensably necessary for every Office and Business-Room.

WROUGHT-IRON FRAMING,

For Charter-Boxes.

MILNER'S PATENT FIRE-PROOF BOXES AND SAFES.

WROUGHT AND CAST-IRON SAFES,

For Deeds, Books, and Money,—with fine Locks and Fittings.

WROUGHT AND CAST-IRON DOORS AND SHUTTERS,

For Strong-Rooms, &c.

WROUGHT-IRON GRATINGS AND STANCHELS,

For Windows, &c.

LOCKS.

Strong Dead and Spring Locks, for Prisons, Plate Chests, Wine Cellars, Booksafes, Gates, &c.

IMPROVED PADLOCKS,

For Doors and Gate Latches.

In the manufacture of Locks, C. D. Young and Co. have much pleasure in stating that they have in their employment some of the first Locksmiths, whose work has given the greatest satisfaction in every department, but more especially in that of the Fine Rim and Mortice Locks.

Sundries.

WROUGHT AND CAST-IRON CLOTHES-POSTS.

at from 8s. to 15s. each.

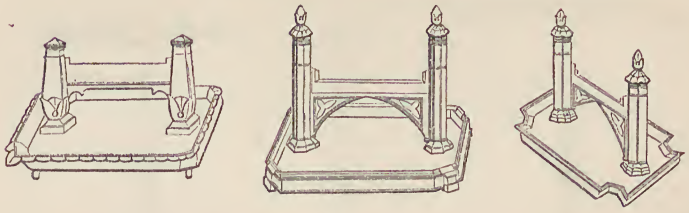
CAST-IRON CHIMNEY CANS,

Constructed to Cure Smoky Vents.

WINDOWS AND CASEMENTS OF CAST-IRON AND ZINC,

For Churches, Lodges, and Cottages, with Gothic, Diamond, and Square Panes, with hinged openings and ventilators when required.

FOOT SCRAPERS.



In various ornamental patterns, at from 2s. to 10s. each, according to the size.

CAST-IRON UMBRELLA STANDS.

WIRE GAUZE WINDOW BLINDS,

With Mahogany Frames and Brass Mountings, painted landscape and borders.

FLAT AND ROUND BRASS WIRE WORK,

For Libraries, Cabinets, &c., Diamond with Rosettes in centre, Plain and Gothic.

NURSERY FIRE GUARDS AND FENDERS.

WIRE GUARDS FOR ROOMS,

Brass, Tinned, and Painted.

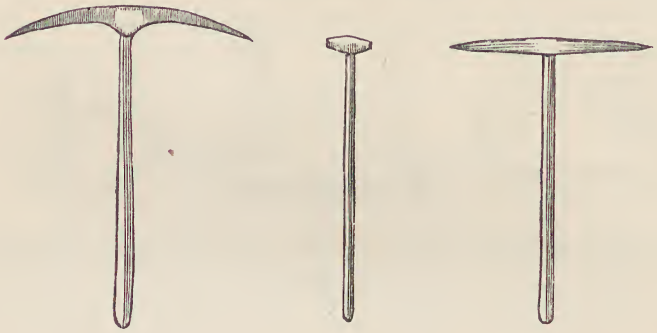
WIRE CLOTH

Of every Description.

LADIES' WORK-TABLES,

Of Cast-Iron, 14s. each plain; but they can be Painted and Japanned in various styles, from 25s. upwards.

RAILWAY CONTRACTORS' TOOLS AND MATERIALS.



Every description of MATTOCKS, PICKS, HAMMERS, JUMPERS, and QUARRY TOOLS, made of the best material, for the purposes of private Gentlemen, Railway Contractors, and Companies.

STRONG WROUGHT-IRON WAGGON MOUNTING,
For Railway Contractors and Companies.

STRONG WROUGHT-IRON STRAPS AND BOLTS,
For Wooden Bridges, &c. &c.

PILE SHODS, STRAPS, BOLTS, ETC.
For Pier and Harbour Works, &c.

RAILWAY CARRIAGE MOUNTING,
Complete, with Breaks, &c.

RAILWAY PINS AND SPIKES.

TAIL AND SIDE LAMP HOLDERS.

SIGNAL POSTS,
On an Improved Plan.

WROUGHT-IRON ROOFING,
For Stations, Sheds, &c.

POINTS AND CONNECTING-RODS,
With Boxes complete.

CAST-IRON LAMP-POSTS AND BRACKETS,
Various elegant Designs.

CAST-IRON COLUMNS.

STRONG WIRE-WORK,
For protecting Windows of Workshops, &c. from being broken inside or out.

IMPROVED COPPER WIRE COVERS,
For preventing Cinders from escaping from the Funnels of Locomotives, and so constructed as effectually to answer the purpose without destroying the draught.

FINE WIRE GAUZE,
For preventing Cinders and Dust entering the Carriages through the Windows.

STRONG IRON AND WIRE GAS PURIFIERS.

WROUGHT-IRON ROAD CLEANERS.
Prices for Manual Machines, 70s. to 85s. each.

EVERY OTHER DESCRIPTION OF IRON AND WIRE WORK.

Workmen sent to all parts of the United Kingdom, the Continent, America, and the Colonies.

IMPORTANT NOTICE.

CHARLES D. YOUNG AND COMPANY *would respectfully and earnestly request parties corresponding with the House to be most particular in observing the exact Name and Address, especially in communication with their Edinburgh and Glasgow Houses. This intimation and precaution is rendered peculiarly necessary from other parties having a name and designation so nearly alike to theirs that many letters intended for C. D. Y. and Co. have been misdelivered.*

The Addresses of their several Establishments are as follows, by attention to which all mistakes will be avoided:—

Messrs CHARLES D. YOUNG & Co.,
128 High Street,
EDINBURGH.

Messrs CHARLES D. YOUNG & Co.,
22 Parliament Street,
Westminster,
LONDON.

Messrs CHARLES D. YOUNG & Co.,
32 St Enoch Square,
GLASGOW.

Messrs CHARLES D. YOUNG & Co.,
Castle Buildings,
Derby Square,
LIVERPOOL.

TESTIMONIALS.

CHARLES D. YOUNG and COMPANY respectfully submit to the consideration of Engineers, Landed Proprietors, Factors, and Agents the following Testimonials in favour of their system of WIRE FENCING, and their other manufactures.

From the present depressed state of the Iron Market, they have entered into advantageous arrangements, by which they are enabled to execute all orders for their manufactures at the low prices quoted in the preceding pages.

The superior construction and economy of their FIELD GATES, HURDLES, &c., &c., have been attested by the Judges of the Highland and Agricultural Society of Scotland, in their Reports of the Edinburgh, Dundee, Glasgow, and Dumfries Shows, where Specimens were exhibited, and which were much approved of, "*on account of their Cheapness and good Workmanship.*"

At Glasgow and Dumfries they had awarded them, besides this high testimonial, the Silver Medal on both occasions.

They were also shewn at the meeting of the Royal Agricultural Improvement Society of Ireland, held at Belfast, where their superiority gained a premium of £5, and the Society's Silver Medal.

For Permanent Enclosures, their INVISIBLE WIRE FENCES have given the greatest satisfaction to all who have made trial of them. They have the great advantage of dividing any lawn or park without in the least interfering with the prospect; thus giving an unlimited idea to the

extent of the grounds, besides being much cheaper than any other kind of Fence.

GATES, (if six or more are ordered), HURDLES, and WIRE FENCES are delivered free at the Ports of Glasgow, Liverpool, Newcastle, Hull, Belfast, Dublin, and all the Principal Ports of Scotland; and no charge is made for the travelling expenses of Workmen to the same places to erect Wire Fences, when the amount of the order exceeds £25 sterling.

ESTIMATES for WIRE FENCES given, on receiving a description or sketch of the line intended to Fence.

From the great experience CHARLES D. YOUNG and COMPANY have had in the manufacture of every description of Iron and Wire Work—from the advantages afforded by their machinery, and the number of first-rate workmen they employ—they are enabled with confidence to undertake any amount of work, either from Private Parties or Railway Companies, in this or foreign countries.

Their Foreign Trade is most extensive, and is conducted upon a principle which enables them to contract upon much more advantageous terms to parties employing them than can be offered by any other house. They have established connexions with the first houses in Calcutta, Madras, Bombay, Canton, New York, Boston, Philadelphia, Quebec, and Hamburg, besides having connexions with several extensive foreign houses in London and Liverpool.

The following MEDALS and PREMIUM from AGRICULTURAL SOCIETIES have been awarded CHARLES D. YOUNG and COMPANY for their manufactures:—

From the Royal Agricultural Improvement Society of Ireland, at their Show in Belfast, "A Silver Medal, for the superior construction of their Wire Fences."

From the Royal Agricultural Society of Ireland, at the same Show, "A Premium of £5, on account of the cheapness and excellent construction of their Gates."

From the Highland and Agricultural Society of Scotland, at their Show in Glasgow, "A Silver Medal, for their Field Gates, on account of their cheapness and good workmanship."

From the Highland and Agricultural Society of Scotland, at their Show in Dumfries, "A Silver Medal, for their improved Sheep and Hay Racks."

From the Highland and Agricultural Society of Scotland, at their Show in Inverness, "A Silver Medal, for their Wire Netting," "with high commendations on account of its efficiency, great strength, and exceeding cheapness."

Extract from an Article on Wire Fences in Loudon's Gardener's Magazine of February 1843.

"We have lately found, in various parts of the country, that a strained Wire Fence, four feet high, can be put up cheaper, all expenses included, than a Wooden Fence of the same height, even without reckoning anything for the wood.

"Land-owners, who have plenty of young larches and Scotch pines that might be used in making such fences, find that the labour of cutting down the trees, and forming them into fences, is more than the entire cost of a strained Wire Fence.

"We have before us a great many very handsome designs, with very low prices affixed, from the Messrs Young and Co. of Edinburgh. A correspondent in Scotland, on whom we can rely, says of Messrs Young, 'they are young men who have carried into their business the scientific knowledge of the age, acquired at our greatly improved educational institutions. They are intelligent, tasteful, enthusiastic, and of a good address; and they are being very extensively employed.'

"Very strong Fences of Iron and Wire for deer are put up by Messrs Young at from 2s. 6d. to 3s. 6d. per yard, according to the height, strength, &c.; the proprietor providing stones for the straining-pillars, and stone or wood blocks for the intermediate iron uprights, &c.

"Curved Wire Fences are also erected by Messrs Young."

TESTIMONIALS IN FAVOUR OF CHARLES D. YOUNG AND COMPANY'S

FENCES FOR HORSES, CATTLE, & SHEEP.

No. 1.

From Sir GILBERT STIRLING, Bart. of Larbert.

Gentlemen, *Larbert House, 25th May* 1842.

In answer to your letter, which I have received since my return from England, I beg leave to say that the Wire Fences which you erected for me at this place have been so executed as to give me entire satisfaction, and I make no doubt that any work which you may be employed in will give equal satisfaction to any gentleman for whom you may perform it.—Your obedient servant, GILB^{T}. STIRLING.

Messrs Young and Co., Edinburgh.

No. 2.

From MATHEW BUIST, Esq., Factor to the Right Honourable the Earl of Haddington.

Gentlemen, *Tynningham, 16th August* 1842.

Your workmen have completed the Wire Fence this day, very much to my satisfaction, and I am sure when Lord Haddington has an opportunity of examining the work, that his Lordship will give you further orders.—I am, Gentlemen, your most obedient servant,

MATHEW BUIST.

To Messrs Young and Co., Edinburgh.

No. 3.

From Sir P. C. H. C. Durham of Fordel.

Sirs, *Fordel, 25th August* 1842.

In answer to yours, I have much pleasure in stating that after a season's trial of the Wire Fences put up by you here, they have proved quite sufficient as Fences both for cattle and horses, and are, in every respect, substantial as well as ornamental.—I am, &c.

P. C. H. C. DURHAM.

To Messrs Young and Co., Edinburgh.

No. 4.

From Sir P. M. Thriepland, Bart. of Fingask Castle.

Sirs, *Fingask Castle, by Perth, August* 5, 1841.

In reply to your request, wishing me to say how I have been pleased with your work in the Wire Fence department, I have great pleasure in stating that the Wire Fences which have been put up here by you have given every satisfaction, both in point of workmanship and durability; so much so, that I purpose next spring applying the system towards enclosing other parts of my grounds, which are now fenced with wood.—I am, Sirs, your obedient servant,

P. MURRAY THRIEPLAND.

Messrs Young, Edinburgh.

No. 5.

Extract of Letter from James B. Spottiswood, Esq. of Muiresk.

The Fence is very neatly put up, and much admired for its lightness and strength.

No. 6.

From Robert Bruce, Esq. of Kennet.

Gentlemen, *Kennet, 12th July* 1841.

As you have appealed to me for my knowledge of your capacity for erecting Wire Fences, I beg to say the Fences which you have put up at Kennet in 1839 and 1841 have answered well. For neatness and strength, and I may add durability, I do not conceive they can be excelled. The principle upon which the posts are placed in the ground, from which the wire is stretched, renders the Fence strong against any pressure for which, in ordinary circumstances, a Fence for cattle or sheep is required. It must be some extra or accidental force which can injure them.—I am, Sirs, your obedient servant, ROBERT BRUCE.

Messrs Young & Co., Edinburgh.

No. 7.

From John Gordon, Esq. of Aitkenhead.

Aitkenhead House, 12th June 1842.

Mr Gordon is happy to inform Messrs Young that their workmen have finished putting up the Wire Fences, and that they give Mr Gordon perfect satisfaction.

No. 8.

From George Buchanan, Esq. of Arden.

Gentlemen, *Arden, May* 1, 1843.

I have much pleasure in stating that the Wire Fence which you put up for me last spring has given me great satisfaction, and I have no doubt that, from its lightness, usefulness, elegance, and economy, many gentlemen will be induced to adopt it.—I am, Gentlemen, your most obedient servant, GEORGE BUCHANAN.

Messrs Young & Co., Edinburgh.

No. 9.

From JOHN DONALDSON, Esq., W.S., one of the Managers of John Watson's Institution.

Gentlemen, *Edinburgh, March* 21, 1844.

In answer to your letter of the 6th instant, inquiring whether the Wire Fence which I employed you to put up, enclosing the Lawn Park of John Watson's Institution, has given satisfaction, I have great pleasure in stating that the Fence is very much admired by all who have examined it, for its handsome and substantial appearance, and it does you great credit as workmen.—I am, Gentlemen, your most obedient servant,

JOHN DONALDSON.

No. 10.

From JAMES CUMMING, Esq., Factor to Sir William Maxwell of Monreith, Bart.

Gentlemen, *Airlour, April* 19, 1844.

Your workmen have now completed the erection of the Wire Fence for Sir William Maxwell at Monreith. The work is exceedingly well done, and I consider the Fence perfectly sufficient for horses, cattle, and sheep. The Gates and Gate-Posts are neat and substantial. You have got an excellent foreman, and your men are steady and ready-handed. —I am, Gentlemen, your most obedient servant,

JAMES CUMMING.

Messrs Young & Co., Edinburgh.

No. 11.

From LAURENCE OLIPHANT, Esq. of Condie.

Sirs, *Condie, May* 20, 1843.

You have requested me to give my opinion of Wire Fences. I have no hesitation in stating that I consider them well adapted for nearly

all the purposes of enclosure. I have had them put up to a great extent both on the low and high farms of my property here, and I have found them effectual against any kind of stock. From their *economy* and *simplicity of construction*, they are well suited for high pasture lands, and for such situations are being much used by the proprietors and tenants of this district.—I am, Sirs, your obedient servant, L. OLIPHANT.

To Messrs Young.

No. 12.

From JAMES YOUNG, Esq., Land-Surveyor and Landscape-Gardener.

My Dear Sirs, *Perth, May* 25, 1843.

I have much pleasure in bearing testimony to the efficiency of your Wire Invisible Fencing. I have had ample opportunity of judging of the merits of your Fences, having seen them erected by you (and some of them under my own direction) in this and some other counties, in almost every variety of circumstance and situation, and for every purpose for which a fence is required—whether for deer, cattle, sheep, or rabbits; and I have no hesitation in saying, that in point of *strength*, *elegance*, and *durability*, the Wire Fence is superior to any other.

On account of its invisibility at a very short distance, it is peculiarly adapted for divisions in Lawns, Parks, and Pleasure-Grounds, and for the enclosure of Flower Gardens, which in landscape-gardening is a great desideratum.—I am, my dear Sirs, yours very truly, JAS. YOUNG.

No. 13.

From ROBERT SMYTHE, Esq. of Methven Castle.

Sirs, *Methven Castle, 24th June* 1843.

I beg to state that you have at different times put up for me a considerable quantity of Wire Fencing—that I have been quite satisfied as to the workmanship and materials—and that I have found the fences quite effectual for the purposes for which they were put up.—I am, Sirs, your obedient servant, ROBT. SMYTHE.

No. 14.

From Admiral Sir ADAM DRUMMOND, Megginch Castle.

Gentlemen, *Megginch Castle, July* 9, 1843.

In reply to your request, I have much pleasure in stating that I confidently believe the extensive Iron and Wire Fences you put up on my policy several years ago will prove equal to resist any animals that may pasture on the same, and are so invisible as not to injure that continuity of appearance which it is so essential to maintain.—I am, Sirs, your obedient servant, A. DRUMMOND.

No. 15.

From G. C. CRAIGIE, Esq. of Dumbarnie.

Gentlemen, *Boatland, July* 10, 1843.

I can state that the Wire Fences put up at Dumbarnie by you have given me perfect satisfaction, as they have now stood without any repairs, or at least very trifling ones, for seven years. I have some Wire Fences on the top of Haha enclosures, which I put up under the direction of Sir Alexander Mackenzie, who took a great interest in the invention, then quite new here; these last have now stood for about ten years, at an expense for repairs of a mere trifle. Having thus had considerable experience, I can recommend these Fences as both durable and cheap.—I remain, your obedient servant, GEO. CLERK CRAIGIE.

No. 16.

From JAMES BELL, Esq., Factor to the Right Honourable Lord Gray, Kinfauns Castle.

Dear Sirs, *Kinfauns Castle, 15th July* 1843.

I have your note of yesterday, and beg to state that for many years you have erected Wire Fences of various descriptions both on this

estate and on the estate of Gray—all of which have been well done, and have answered the various purposes for which they were intended, and have all given satisfaction in every shape. In speaking of the purposes, I mean some are for rabbits, some for sheep only, and some for both sheep and cattle.

As well as having workmen who understand and do their work properly, I have always found your prices moderate. I know not the purpose for which you wish me to write, but you are at perfect liberty to use this in any way you please.

Wishing you all success in your profession of erecting Fences, which are *useful, durable,* and *highly ornamental,* I am, yours faithfully,

JAS. BELL.

No. 17.

From JOHN DODDS, Esq., Factor to the Right Honourable the Earl of Stair, Oxenford Castle.

Dear Sirs, *Cranston Cottage, 10th June* 1848.

The Wire Fences you put up at Oxenford Castle during the last three years are in every way satisfactory to the Earl of Stair and myself. One of the Fences in particular is generally admired for its neatness and strength. You are at perfect liberty to publish this letter.—I am, dear Sirs, yours faithfully, JOHN DODDS.

Messrs C. D. Young and Co.

No. 18.

Extract from Letter from the Rev. WALTER WELSH, Auchtertool.

The Wire Fences put up for me by you here give me entire satisfaction in every respect, and the whole promises to stand exceedingly well.

No. 19.

From the Rev. J. Lingham, Tan-y-Bolch, Carnarvon.

Tan-y-Bolch, 9th December 1848.

The Rev. J. Lingham is very happy to inform Messrs Charles D. Young and Company that their workmen have completed all the Fences here to his entire satisfaction, and have conducted themselves with the greatest propriety during the time they have been living in this neighbourhood.

Messrs Charles D. Young and Co., Liverpool.

No. 20.

From Mr Donald Lindsay, Ross-dhu, Luss, Gardener to Sir James Colquhoun, Baronet.

Sirs, *Ross-dhu, 13th April* 1848.

In answer to your letter of the 11th wishing my opinion of the work you have been erecting here from time to time for several years past for Sir James Colquhoun, I have much pleasure in assuring you that everything has been done in the most efficient and satisfactory manner. All the Fences for Cattle and Sheep are, without exception, the finest I have ever seen, combining neatness with great strength, and withal remarkably cheap.—I am, Sir, your most obedient servant,

D. LINDSAY.

Messrs C. D. Young and Co., Edinburgh.

No. 21.

From Mr John Wise, Land-Steward, to the Right Honourable the Earl of Caledon, Armagh, Ireland.

In answer to your letter in reference to the various kinds of Wire Fences you have put up here, I have much pleasure in stating that everything has been completed in the most satisfactory manner.

TESTIMONIALS IN FAVOUR OF CHARLES D. YOUNG AND COMPANY'S

IRON AND WIRE FENCES FOR DEER.

No. 1.

From Samuel Brooks, Esq., Banker, Manchester.

Sirs,

I am glad to bear my testimony to the value of your Deer Fencing. It is very substantial, and perfectly effectual, and I may add, it is the admiration of every one who has seen it.—I am, yours obediently,

SAM. BROOKS.

Messrs C. D. Young and Co.

No. 2.

From Mr Donald Lindsay, Ross-dhu, Luss, Gardener to Sir James Colquhoun, Baronet.

Sir, *Ross-dhu, 13th April* 1848.

In answer to your letter of the 11th, wishing my opinion of the work you have been erecting here from time to time for several years past for Sir James Colquhoun, I have much pleasure in assuring you that everything has been done in the most efficient and satisfactory manner. All the Fences for Cattle and Sheep are, without exception, the finest I have ever seen, combining neatness with great strength, and withal remarkably cheap.

As to the Deer Fencing you lately put up, nothing can excel it in point of strength and beauty. It is the object of admiration to all who have

seen it; and I understand other gentlemen in consequence have given you large orders. The principle upon which you erect your Deer Fences renders them more than sufficient against all kinds of Deer, and the Gates and Wickets in the line of Fence are in good proportion, and all your work has given Sir James entire satisfaction.—I am, Sir, your most obedient servant, D. LINDSAY.

No. 3.

From Mr A. GRAHAM, Land Steward to Sir Arthur B. Brooke, Baronet, M.P., Colebrooke, Fermanagh, Ireland.

The Deer Fences just completed for Sir Arthur are splendid, and I can safely say without their equal in the three kingdoms. Gentlemen for many miles round are coming to see them, and I am sure you will get many large orders in consequence. I have seen many fences for deer both in England and Ireland, but none can stand for a moment comparison with these. Besides being beautiful, their strength is extraordinary, and the cost a trifle.

All the other work you have done is satisfactory.

No. 4.

From Mr JOHN WISE, Land-Steward to the Right Honourable the Earl of Caledon, Armagh, Ireland.

Caledon Hill, Caledon, by Armagh,
8th August 1848.

Gentlemen,

In answer to your letter in reference to the various kinds of Wire Fences you have put up here, I have much pleasure in stating that everything has been completed in the most satisfactory manner, especially the Deer Fencing, which has exceeded all our expectations. It answers perfectly all the purposes for which it was erected. It is the most beautiful piece of work I ever saw, and has given the greatest satisfaction to Lord Caledon.—I am, Gentlemen, your most obedient servant,

JOHN WISE.

Messrs C. D. Young and Co.

No. 5.

Report to the most Noble the Marquis of Londonderry from the Land-Steward and Gamekeepers appointed to inspect the Deer Fencing erected at Wynyard.

We, the undersigned, have most carefully examined the Wire Fencing erected by Messrs C. D. Young and Co., and it is our opinion that the whole is very strong, and so constructed as most effectually to prevent the escape of the Deer from the Park. We beg, however, to recommend to your Lordship the expediency of calling in a competent and experienced authority, in such modes of fencing, to inspect the work, and whose opinion will be considered final.

(Signed) A. GRAHAM.
JAMES JACK.
STEPHEN GIBBS.
JOHN WRIGHTSON.

No. 6.

Report from George Hopper, Esq., C.E., Newcastle, appointed by the Most Noble the Marquis of Londonderry to inspect the Fences enclosing the Deer Park at Wynyard.

To the Most Noble the Marquis of Londonderry.

My Lord, *Wynyard Park, Jan.* 27, 1849.

In obedience to your Lordship's desire, I have carefully examined the Fencing recently erected by Messrs C. D. Young and Co., and beg to inform your Lordship that the work has been executed in first-rate style, and admirably constructed for the purpose for which it has been adopted. For neatness and strength I never saw better, and am satisfied of its being perfectly safe to contain the deer. GEORGE HOPPER.

TESTIMONIALS IN FAVOUR OF CHARLES D. YOUNG AND COMPANY'S

WIRE FENCES FOR RAILWAYS.

No. 1.

From JOHN MILLER, Esq., C.E., M.I.C.E., Edinburgh.

Edinburgh, 27*th June* 1848.
Chambers, 132 *George Street.*

Gentlemen,

You having applied to me to state my opinion of your Wire Fencing as adapted for Railway purposes, I beg to say that I consider it well adapted, and that I am now using it to a considerable extent, and I am inclined to think it will ere long supersede the old system.—I am, your obedient servant,

J. MILLER.

Messrs C. D. Young and Co.

No. 2.

From GEORGE GLENNIE, Esq., Resident Engineer on Edinburgh and Hawick Railway.

Dear Sirs, *Melrose*, 24*th June* 1848.

Having been from home I did not receive yours of 20th till to-day. I have much pleasure in stating that I consider your Wire Fences admirably adapted for Railways; and along the whole of this line, where they have been erected, they are found to answer well, and the proprietors and tenants are all pleased with them. I may state that the greater part of this line is through a pasture country, the stock being sheep and cattle. The Wire Fence I also consider very economical.—I am, yours truly,

GEO. GLENNIE, *Res. Engineer.*

Messrs C. D. Young and Co.

No. 3.

From JOHN BRYDON, Esq., Stage Hall, near Stow.

Gentlemen, *Stage Hall, September* 22, 1847.

I have now got a considerable extent of your Wire Fencing put up on my farm, along the line of the Edinburgh and Hawick Railway. It appears to me to make a most substantial and efficient fence, and will, I have no doubt, where shelter is not much required, in a great measure supersede every other kind of fence.—I am, Gentlemen, your most obedient servant,

JOHN BRYDON.

No. 4.

From WILLIAM MACKENZIE, Esq., of the Firm of Messrs Mackenzie, Stephenson, and Brassey, Liverpool.

Gentlemen, 74 *Grove Street, Liverpool,* 24*th June* 1848.

Not having taken any active part in the conduct of the Caledonian works, I cannot give you a certificate as to your Wire Fencing such as otherwise I should have been justified in.

At present I can only say, that the Engineers have generally approved of your system.—I am, Gentlemen, your obedient servant,

WM. MACKENZIE.

Messrs C. D. Young and Co., Edinburgh.

No. 5.

From THOMAS BRASSEY, Esq., of the Firm of Messrs Mackenzie, Stephenson, and Brassey, London.

London, 8 *Adam Street, Adelphi,*

Gentlemen, 27*th June* 1848.

Mr Brassey having returned to town, I am directed to own receipt of your letter of the 20th instant, and to assure you that he is quite

satisfied with the execution of your contracts with his firm for fencing.—I am, Gentlemen, your obedient servant, JAs. B. TOMALIN.

Messrs C. D. Young and Co., Edinburgh.

No. 6.

From GEORGE MOULD, Esq., of Messrs John Stephenson and Co., Carlisle.

Gentlemen, *Railway Office, Carlisle, June* 22, 1848.

In reference to yours of the 20th instant, requesting my opinion of the Wire Fencing that you have erected for Messrs Stephenson and Company on the Caledonian Railway, it gives me great pleasure to state that it is entirely satisfactory, and that the system is well calculated for Railway purposes from the facility with which it can be erected;—the neatness of its appearance will in some cases be an additional inducement to its use, and its durability (though I cannot yet test it by any long period) promises to be as great as can be desired.

I have no doubt it will be still more extensively used, and the manner in which you execute it will, I am confident, insure you a great portion of the trade.—I am, Gentlemen, yours truly, GEO. MOULD.

Messrs C. D. Young & Co., Edinburgh.

No. 7.

From C. DUNN, Esq., Agent for Messrs John Stephenson and Co. on the Caledonian Railway, North Division.

Caledonian Railway, Contractor's Office,

Gentlemen, *Lanark, 24th June* 1848.

Having had portions of the Caledonian Line at Crawford and Carstairs enclosed by you in wire, I have much pleasure in saying that in my opinion it is likely in every way to answer the expectations of the engineers and contractors as an efficient and economical fence.

I consider the quality of the wire, and system adopted at your establishment, as superior to any that has come under my notice—I am, Gentlemen, your obedient servant, C. DUNN.

Messrs C. D. Young and Co., Edinburgh.

No. 8.

From Isaac Dodds, Esq., of Messrs John Stephenson and Co., Glasgow.

Railway Contractor's Office, 172 *Buchanan Street*,
Glasgow, June 27, 1848.

The Wire Fencing put up for us by Messrs C. D. Young and Co. of Edinburgh has given great satisfaction, and I really think it will become very extensively used; it is neat, strong, and effective.

Pro JOHN STEPHENSON & CO.
ISAAC DODDS.

No. 9.

From James Hogg, Esq., Agent for Messrs John Stephenson and Co. for the Beatock District of Caledonian Railway.

Moffat, May 9, 1848.

The whole work is completed to my entire satisfaction in every respect, both as regards material and workmanship. JAMES HOGG.

No. 10.

From Mr E. Marson, Inspector on the Abington District of Caledonian Railway.

Abington, 1*st April* 1848.

I have to acknowledge that the whole of the Wire Fencing done by you here has been completed in a very workmanlike manner, and in every way to the entire satisfaction of all parties connected with it.

If this opinion is considered of any advantage to you, it may be made use of in any way you think proper. E. MARSON.

No. 11.

From M. Braithwaite, Esq., C.E., London.

Gentlemen, 39 *Bedford Square, London, 4th March* 1848.

I am this moment in receipt of your very useful and handsome work, developing your system of Wire Fencing for Railways. I am one of those who think very highly of your principle; and although unknown personally to you, have very strongly recommended its adoption as superior to any other.

I thank you for your attention, and wishing you every success, am yours very faithfully, M. BRAITHWAITE.

Messrs C. D. Young and Co.

No. 12.

From E. Braidwood, Esq., Agent for Messrs John Stephenson and Company for the Edinburgh District of the Caledonian Railway.

Edinburgh, 30th March 1849.

Dear Sirs,

After eighteen months' experience of the Wire Fencing which was put up by you to a considerable extent on my district of the Caledonian Railway, I have much pleasure in stating that it has answered the purpose to my utmost expectations. It is economical even at first cost; it is perfectly sufficient, and occasions little or no expense for repairs,—the latter a most important consideration to Railway Companies, and especially so to contractors who have the keeping up of the line for a term of years. I regret I had gone so far with wood paling before adopting your system.—I am, dear Sirs, yours faithfully,

E. BRAIDWOOD.

Messrs C. D. Young and Co., Edinburgh.

TESTIMONIALS IN FAVOUR OF CHARLES D. YOUNG AND COMPANY'S

STRAINED HARE AND RABBIT-PROOF WIRE FENCES, GATES, &c.

No. 1.

From Miss HUME of Ninewells.

Ninewells House, Berwickshire,
October 18, 1842.

Gentlemen,

In reply to your inquiry, whether the Iron and Wire Fence executed by your workmen here for me is satisfactory, I have the pleasure of informing you that it pleases me in every respect, and that the gentlemen who have surveyed it are satisfied it will be an effectual and durable Fence. The two large Gates and the Wickets are light, and the Uprights in good proportion.—I am, yours, &c. ELIZABETH HUME.

Messrs Young and Co., Edinburgh.

No. 2.

From Mr GALLOWAY, Factor to J. S. K. Lennox, Esq., Lennox Castle.

Birdston Cottage, Kirkintilloch,
September 16, 1842.

Gentlemen,

Since my return home from Arran a few days ago, I have been at Lennox Castle, and inspected the Rabbit Wire Fence put up by you there, which appears to me a very good and well executed piece of work. —I am, Gentlemen, your most obedient servant, A. GALLOWAY.

Messrs C. D. Young and Co., Edinburgh.

TESTIMONIALS IN FAVOUR OF CHARLES D. YOUNG AND COMPANY'S

PREMIUM HARE AND RABBIT-PROOF WIRE NETTING.

No. 1.

From Dudley C. Elves, Esq., Glandford Brigg.

November 8, 1847.

I must, in justice to you, assure you of my unqualified approbation of your Premium Wire Netting along with its Gates, &c., and perhaps when I return to the north I may have to give you another order.

Messrs C. D. Young & Co., Edinburgh.

No. 2.

From W. C. Morland, Esq. of Court Lodge.

Lamberhurst, January 13, 1848.

Your Wire Netting I consider decidedly superior in every respect to any of the patterns I have procured from other places.

Messrs C. D. Young & Co., Edinburgh.

No. 3.

From James Hampton, Esq., High Leigh, Knutsford.

The Wire Netting you sent has given us every satisfaction.

Messrs C. D. Young & Co., Edinburgh.

No. 4.

From E. Thurlow, Esq., 47 Grosvenor Place, London.

London, November 15, 1847.

Mr Thurlow has received the pattern of Wire Netting from Messrs C. D. Young and Co., and will send them the order when he finds the exact quantity he will require. It appears to be a most excellent fence against Rabbits, and the mesh quite small enough; it is altogether quite superior to other patterns he has seen.

No. 5.

From James M'Kie, Esq., Dumfries.

Dumfries, 1st May 1848.

Be so good as send me a web of your Wire Netting of 24 inches high at 1s. Some months ago I remitted you payment of a parcel obtained by Captain Charles Grierson, and the efficiency of his now induces me to order this web.

No. 6.

From Mr Robert Gardner, Oxenford Castle Gardens.

23d June 1848.

I consider your Strong Premium Wire Netting a most excellent fence against Hares and Rabbits, and in every respect far superior to any pattern I have seen. All the other Hare and Rabbit-Proof Fences put up here by you are much admired, as being very strong and ornamental, at the same time perfectly efficient.

No. 7.

Extract of Letter from R. Threshie, Esq., Mousewald Place, Dumfries.

29th August 1848.

Your Lamb Proof Wire Net has been of great use to me; it has preserved a great extent of Thorn Hedge, without which it must have

been totally destroyed; and when the hedge is so far advanced to be independent of protection, the Netting can be easily moved to another place.

I have also found it to answer well in protecting a new hedge and ditch where sheep only are admitted, fixed with short stobs of larch on the field side of the ditch.

No. 8.

From Mr Colin Ross, Surveyor to A. Jardine, Esq., Lanrick Castle, Doune, Perthshire.

Gentlemen, *Lanrick Castle Gardens, 5th January* 1849.

Having had specimens of the different descriptions of Wire Netting manufactured by other houses, and sold in London, sent me by my employer to compare with that sold by you, I had no hesitation in recommending your "Strong Premium Hare and Rabbit-Proof Wire Netting," as being decidedly the most superior article in every respect. Be pleased, therefore, to send here by first opportunity 400 yards, 18 inches high.—I am, Gentlemen, yours respectfully, COLIN ROSS.

Messrs C. D. Young and Co.

No. 9.

From Mr A. Rose, Gardener to the Right Honourable the Earl of Eglinton, Eglinton Castle, Ayrshire.

Gentlemen, *Eglinton Castle Gardens, 23d December* 1848.

Your workmen have now got the Hare and Rabbit-Proof Fence completed, and I must say it is a very neat and a most substantial job. It is cheap, and from its great strength it will no doubt be very durable, and upon the whole it is admirably adapted for the purpose. Lord Eglinton also thinks it a very beautiful piece of work, and has expressed himself highly satisfied with it.

Your men are steady, and have great credit from the manner in which they have conducted themselves since they came.—I am, Gentlemen, your most obedient servant, A. ROSE.

TESTIMONIALS IN FAVOUR OF CHARLES D. YOUNG AND COMPANY'S

IMPROVED WIRE NET PLANT GUARDS.

No. 1.

From the Right Honourable Lord Braybrooke, Audley End, Essex.

Your Premium Wire Netting is much admired, and my friend Sir William Middleton, Bart., of Shrubland Park, Ipswich, has desired me to order for him one hundred of your Wire Net Plant Guards 24 × 24 inches—in short, exactly the same as those I had from you lately.

No. 2.

From the Right Honourable Lord Braybrooke, Audley End, Essex.

I want other 200 of your Wire Net Guards, to be sent as before to Wendon Station. As the season for planting is advanced, I wish to press you to send them as soon as possible, for the evergreens are not safe twenty-four hours without protection, and I have not lost one in the midst of hares and rabbits caged with your Guards last spring.

No. 3.

From Mr D. Lindsay, Gardener to Sir James Colquhoun, Baronet, of Luss.

In reference to the Wire Net Plant Guards you sent here, I consider them to be the most useful and efficient of any I have ever seen, and from their being so very cheap, it is even profitable to use them extensively for common plants. I make no doubt Sir James will give you more orders.

No. 4.

Extract of Letter from Mr Colin Ross, Lanrick Castle, Doune, Perthshire.

Send with the Netting ordered yesterday other 24 of your Premium Wire Net Plant Guards, same as represented in figure No. 2, page 35 of your Catalogue, at 2s. each. Those you sent last time have answered the purpose admirably, and I have not lost a single plant that was protected by them.

No. 5.

From Mr Robert Gardner, Gardener to the Right Honourable Earl of Stair, Oxenford Castle.

Your Wire Net Plant Guards are admirably adapted for protecting Shrubs and Trees from Hares and Rabbits in Gardens and Pleasure-Grounds.

Those you sent here have given every satisfaction, and I shall probably want more soon.

Their cheapness also is a great additional recommendation.

No. 6.

From Mr Walter Chapman, Shrubland Park, Suffolk.

Gentlemen, *Shrubland Park, Ipswich, 16th April* 1849.

I shall feel much obliged by your sending me, at your very earliest convenience, the same number of your Premium Wire Net Plant Guards that you sent last year, to the account of Sir W. F. Middleton, Baronet.

They must be exactly the same as those sent last, which have given the greatest satisfaction.—I am, Gentlemen, your obedient servant,

WALTER CHAPMAN.

Messrs Charles D. Young & Co., Edinburgh.

TESTIMONIALS IN FAVOUR OF CHARLES D. YOUNG AND COMPANY'S

LEVEL CROSSING GATES.

No. 1.

From JAMES FALSHAW, Esq. Manager for Messrs John Stephenson and Company on the Scottish Central Railway.

Gentlemen, *Stirling, 26th February* 1848.

Captain Wynne, the Government Inspector, was over the line on Wednesday, and very highly approved of, and much admired the Level Crossing Gates you have erected near to Stirling.

I promised to procure for him one of your books, with drawings and descriptions of the several kinds you manufacture.

Will you therefore please forward to the address as under a book similar to the one you sent to me.

" Captain Wynne, Railway Department, Whitehall, London."—Yours truly, JAMES FALSHAW.

Messrs C. D. Young & Co., Edinburgh.

No. 2.

From WM. BELLINGTON, Esq., Surveyor, Shrewsbury.

I have examined carefully your simultaneous acting Level Crossing Gates, erected at the Ashton Station, on the Ashton Branch of the Lancashire and Yorkshire Railway. They act and work sweetly, and are managed without the least effort or force being required.

They are much approved of in this neighbourhood.

Messrs C. D. Young & Co., Edinburgh.

No. 3.

From James Brownlee, Esq., C.E., Manchester.

I am happy to state that so far the Gates act very well indeed, and I like their appearance very much.

No. 4.

From James A. Tasker, Esq., C.E. on Scottish Central Railway.

Engineers' Department, Scottish Central Railway Office,
Gentlemen, *Perth, 14th March* 1848.

I have received your favour of the 9th. The Gates you have erected on this line answer the purpose very well; and I am so much satisfied with them that I am now obtaining the necessary information to enable me to order the remainder for the line between Stirling and Perth. I expect to be able to send you particulars of the order to-morrow or next day.—I am, your obedient servant, JAMES A. TASKER.

Messrs C. D. Young and Co., Edinburgh.

No. 5.

From Mr Francis Wythes, Contractor on the Shropshire Union Railway.

Gentlemen, *Contractor's Office, Stafford, 4th April* 1849.

Your Level Crossing Gates erected for me on the Shropshire Union Railway work exceedingly well, and they are much approved of by all who have seen them.—I am, Gentlemen, your obedient servant,

FRANCIS WYTHES.

Messrs C. D. Young and Co., Edinburgh.

TESTIMONIALS IN FAVOUR OF CHARLES D. YOUNG AND COMPANY'S

MISCELLANEOUS MANUFACTURES.

No. 1.

From William Maxwell, Esq., Dalscairth.

6th April 1846.

Your workmen have now completed all they have to do here. I have much pleasure in bearing testimony to their extreme civility and good conduct since they came. I am also very much pleased with the Wire Fence, Gates, and Hurdles sent by you, and shall have great satisfaction in being able to recommend your Firm to all my friends in want of such articles.

No. 2.

From R. W. Maxwell, Esq. of Middleton.

Gentlemen, *Middleton, 7th March* 1844.

It affords me much pleasure to bear testimony to the highly satisfactory manner in which you have performed the internal arrangements of the Conservatory, lately erected at Middleton House. The construction of the Wire Step Stages for the Plants, and the execution and finishing off of the Trellis-work, involved no ordinary labour; and I consider the ingenuity and skill evinced in completing the job extremely creditable to your professional reputation.

If this testimonial will aid in making known your proficiency in this branch of your profession, I shall be much gratified.—I am, Gentlemen, your obedient servant,

ROBERT W. MAXWELL.

No. 3.

From James Campbell, Esq. of Craigie, Ayrshire.

25th November 1847.

All the work I have had from your house has given me entire satisfaction in every respect.

No. 4.

From George Sligo, Esq. of Seacliff, North Berwick.

Gentlemen, *Seacliff, 29th April* 1846.

In answer to your letter, I have much pleasure in stating that all the work you have done for me here has given me entire satisfaction in every respect. Your Strained Ornamental Hare and Rabbit-Proof Fence is justly considered by all who have seen it to be unequalled, and the principle upon which your other Fences are put up renders them sufficient against every kind of stock. Your Gates, Hurdles, and Wire Netting are respectively what you have represented them to be; and I can with confidence recommend your house to my friends.—I am yours, &c.

Messrs C. D. Young & Co., Edinburgh. GEO. SLIGO

No. 5.

From the Reverend William Spranger White, The Brae, Jedburgh.

Gentlemen, *The Brae, Jedburgh, 26th April* 1849.

The Entrance Gates arrived safe, and your workman has finished putting them up. During the whole time he has been most diligently employed, and has had to contend with several unexpected difficulties, which he has successfully overcome. The whole is now completed in a very workmanlike manner, to my entire satisfaction, and your man has done great credit to himself and his employers.—I am, Gentlemen, yours faithfully, Wm. SPRANGER WHITE.

Messrs C. D. Young & Co., Edinburgh.

No. 6.

From Mr A. Sleigh, Gardener to the Right Honourable the Lord Advocate, Laurieston Castle.

Gentlemen,

I have much pleasure in informing you that all the work you have been employed to put up here has given every satisfaction. The fences are splendid, and I certainly would recommend the same specifications as the best for all such fences in similar situations.—I am, Gentlemen, your most obedient servant,

A. SLEIGH.

Messrs C. D. Young & Co., Edinburgh.

No. 7.

Extract Letter from Norman Hill, Esq., Glenkevock, near Lasswade.

Mr Hill begs to inform Messrs C. D. Young and Co. that their workmen have put up the Gates, &c. here in a very efficient and satisfactory manner.

No. 8.

Extract from the Report of the Show of the Highland and Agricultural Society of Scotland, held at Edinburgh in August 1848.

" Commendations of the Judges to Messrs Charles D. Young and Co., Edinburgh, for their extensive and varied collection of Wire and other Fencing Gates, &c.

" The collection of Messrs Young was of a most interesting character, whether viewed in reference to the workmanship and quality, or the great selection of articles presented, consisting of Field and Carriage Gates of a variety of patterns, of Iron and other Tree Guards, and varieties of Wire and Hurdle Fencing, Garden Seats and Chairs, &c."

CHARLES D. YOUNG and COMPANY beg to direct the attention of Landed Proprietors, Factors, Agents, and Engineers to the following List of a few of their Employers:—

SCOTLAND.

ABERDEENSHIRE.

Her Majesty the Queen, and His Royal Highness Prince Albert, Balmoral.
Aberdeen, Right Honourable the Earl of, Haddo House.
Arbuthnot, James, Esq. of Donnyhill.
Arbuthnot, William, Esq. of Dens.
Bisset, W., Esq. of Lessendrum, Huntly.
Brand, Charles, Esq. of Raven Craig.
Bruce, James, Esq. of Middleton.
Bruce, Sir Michael, Bart. of Scotston.
Buchan, James, Esq. of Auchmacoy.
Chalmers, L., Esq., Fraserburgh.
Cordiner, W. F., Esq. of Memsie.
Cummine, Mrs, of Rattray, Peterhead.
Dalrymple, J. E., Esq. of Westhall, Aberdeen.
Duff, Garden, Esq., Hatton Castle.
Duguid, James, Esq., Springhill, Aberdeen.
Gordon, J. T., Esq. of Nethermuir.
Gordon, Sir Robert, K.B., of Balmoral, Ballater.
Gordon, Miss, of Wardhouse, Old Rain.
Gordon, ——— Esq. of Manar.
Gray, Roderick, Esq. of Blackhill.
Hutchison, John, Esq., Peterhead.
Leslie, William, Esq. of Drumrossie, Old Rain.
Lovat, Right Honourable Lord, Strichen.
Lumsden, H., Esq. of Auchindoir.
Mackenzie, John, Esq. of Glack.

Noble, Crawford, Esq. of Berryhill, Peterhead.
Ogston, A., Esq. of Ardo, Aberdeen.
Pirie, Alexander, Esq. of Waterton, Aberdeen.
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